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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XII.

NEW YORK, JANUARY 3, 1923

No. 1

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**IN THIS ISSUE—Review of Medicinal Chemical Developments
in 1922—Page 11**



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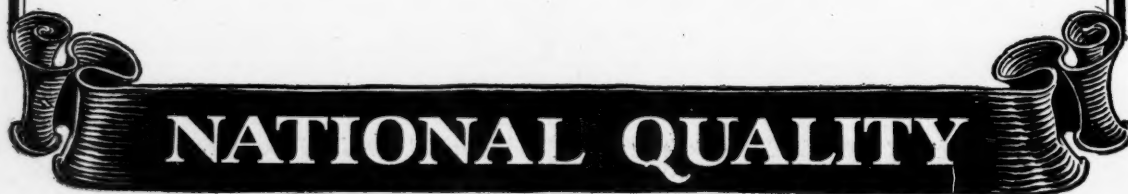
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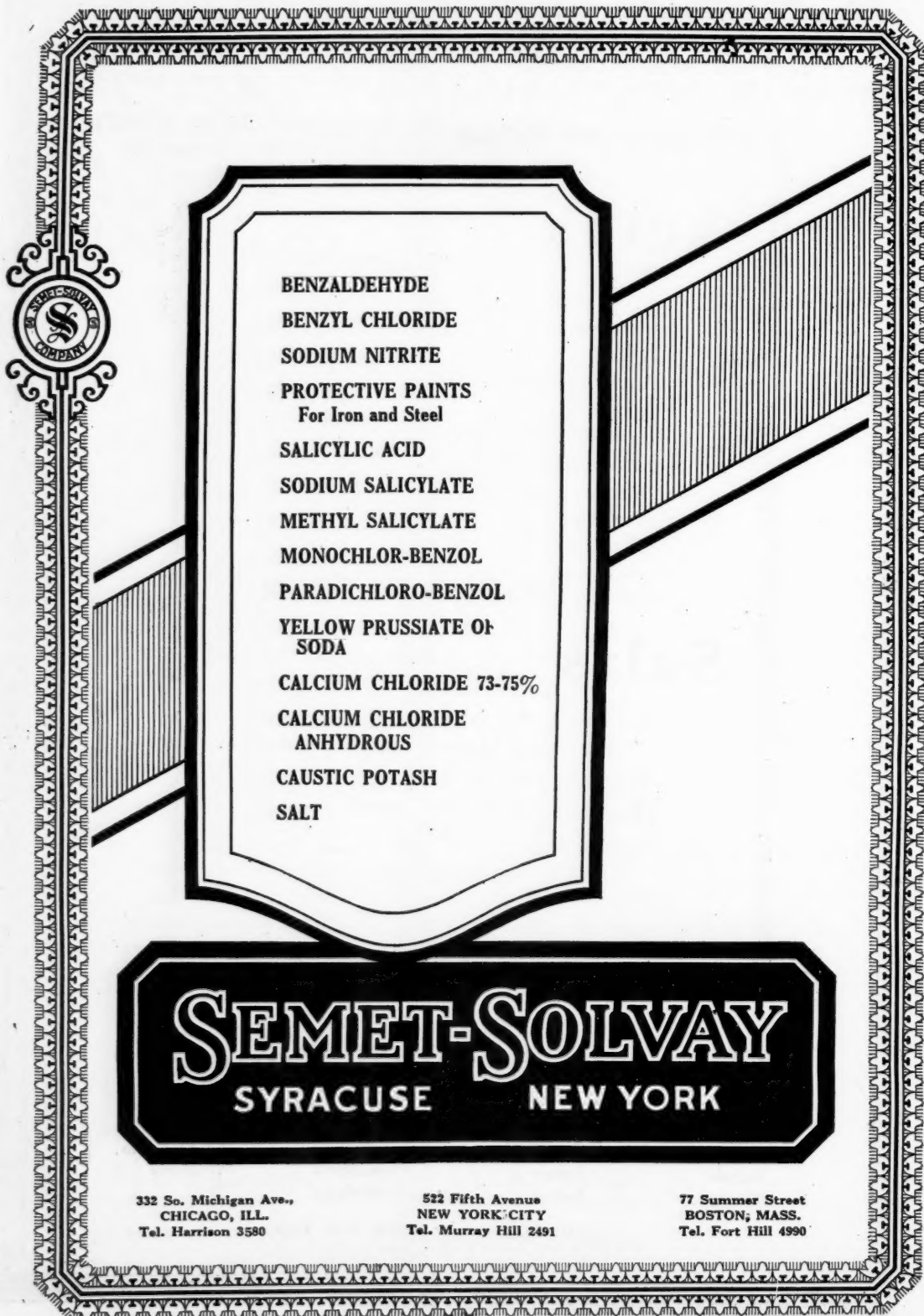
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SHORTAGE!

What the Drastic Shortage in Arsenic means to the Trade

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The United States Geological Survey reports stocks of White Arsenic on hand Oct. 1, 1922, 1,230 tons, and estimated production Oct. 1, 1922, to May 1, 1923, 3,400 tons, or a total of 4,630 tons in sight for the 1923 season.

This amount will undoubtedly be increased somewhat by imports and from other sources but, even if it could be doubled, will fall far short of the demand conservatively estimated at 12,000 tons.

The manufacturer of insecticides must meet this condition by allotting his Arsenic supplies as carefully as possible between the different arsenical insecticides.

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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XII, NUMBER 1

[JANUARY 3, 1923]

THE OUTLOOK FOR 1923

For general business, and for chemicals and drugs in particular, the outlook for 1923 is brighter by many shades than that which confronted the respective industries at the beginning of 1922. Whether 1923 business develops along expected lines of expansion and stability, remains to be seen. The situation is in the hands of American industrial leaders. As they guide the destinies of business, so will the story of 1923 be written a year hence. The opportunity for a boom year is undoubtedly here. A policy of conservative expansion and not too wide a margin of profit will find the industrial tree strong and healthy at the end of the year and ready to bear another crop in 1924. To those who go in for a "killing" with the idea of making up losses of three years in a single year, let the crash which followed the wild inflation of 1919 act as a warning. Chemicals and drugs appear at this time to be "set" for a good 1923, with 1924 an unknown quantity depending to a great extent upon the activities of the ensuing year.

In a nutshell, the reason for expecting a material improvement in business during 1923, lies in the fact that most of the industrial troubles which may reasonably be expected over a period of several years, occurred during 1921 and early 1922, and are unlikely to recur very soon. The coal strike, the cotton mill strikes, the rail strike, the widely fluctuating foreign exchange rates, the long drawn out battle over the Fordney-McCumber Tariff, and other difficulties of lesser magnitude, shook the foundations of industrial America during the year past. By October, 1922, the troubles had been patched up one by one, and since that time, the sky has been clear, with readjustment and improvement taking place rapidly. The last three months in 1922 have given the impression of cleaning up shop, sweeping out the debris, and getting ready to take care of the broader demand for chemicals and drugs which has already shown evidence of materializing.

The passage of the Fordney-McCumber Tariff Bill removed much uncertainty from market conditions, although the American valuation status of many products is still far from settled. The rates on most chemical and drug products are now definitely fixed and importers and American manufacturers know exactly the basis upon which they can work. Perhaps as much as any one other factor, the tariff fight in Washington over the greater part of 1922, slowed down business. Not knowing what day the bill would pass nor the rates it would carry in final passage, it was only natural that the whole industry should mark-time and await something definite before making ar-

rangements for future operations. With the tariff now a law, 1923 will be free from the restraint of the attendant uncertainty.

Deflation has been completed. The upward movement of chemical and drug prices early this past Fall, away from the extreme low point of the post-war slump, is evidence of this fact. For the first time since the crash in prices during 1920 and 1921, the steady downward movement ceased, and slight gains, well sustained and tending to expand, were registered during the past year. The "water" has been squeezed out of prices, demand has increased materially from the consuming industries, and surplus stocks which depressed the market for many months have been reduced in numerous instances to the vanishing point. The market has taken on a more stable aspect than it has shown at any time during the past three years. Buyers have contracted ahead freely for delivery of goods over 1923 which, in itself, is a tacit recognition of confidence in the stability of the market. With deflation complete and confidence restored, improvement during 1923 is almost certain if the irresponsible elements do not attempt to ride better business to the point of inflation.

BENEFACTOR OF ALL HUMANITY

Louis Pasteur, the eminent French scientist, whose centenary was celebrated in leading countries on Dec. 27, is remembered by the general public for his discovery of the cause and the remedy for hydrophobia, and for his development of the system of preservation known as pasteurization, the destruction of bacterial organisms by heat and the prevention of the ingress of organisms from the air by sealing the material to be preserved.

In the scientific world a long list of investigations and discoveries are placed to his credit, which have won for him world-wide recognition. His studies of fermentation, discovery of the remedy for the disease of the silk-worm, and for anthrax and other diseases of bacterial origin, by the use of vaccines and serums, made his name and fame known in every country.

Pasteur received the highest honors and was awarded prizes and a pension which yielded him sufficient means to continue his work successfully to the end in 1895. The Pasteur Institute, in Paris, built by public subscription, is a remarkable monument to his memory. He is recognized as the most eminent son of France, not excepting Napoleon, for as Emile Duclaux, a disciple of the great scientist, said: "Pasteur conquered the world, yet his glory did not cost a single tear." He was a benefactor of all humanity and his name is enrolled among the immortals.

"CUT-THROAT" COMPETITION IN RADIUM

The cut in the price of radium from \$120 per milligram, first to \$90 and then to \$70 may be due to the report that the Belgian Congo recently shipped sixty tons of uranium ore estimated to contain six to seven grams of radium. A glut in the market like this is worse than an over-supply of turkeys at Thanksgiving time, or the unexpected arrival of a large shipment of menthol after the price has touched \$10. The market reporter would say "stocks are more plentiful," or "the price declined on c.i.f. offers for immediate shipment at less than spot quotations."

"Be that as it may," the reduction will have a depressing effect on new enterprises in this field attracted by the possible profits in spite of the fact that only one company has ever paid dividends. According to an estimate made by H. H. Barker, an authority on production, the cost of obtaining one milligram of radium from uranium ore is \$61 to \$65. To the manufacturing cost must be added other expenses bringing the cost per milligram to about \$75. The present quotation of \$70 would cover only the cost of production, if Mr. Barker's estimate is accurate.

Meanwhile the buyers should restrain themselves and not join in any mad rush to cover their wants at the cut price. They should remember that there are thirty or more radio-active elements and something just as good may answer their purpose. Take mesothorium, the first product of thorium, which ranks next to radium in importance. The experts say that mesothorium preparations must be "aged" [apologies to Mr. Volstead and Roy A. Haynes, Prohibition Commissioner] before the full effect is realized in luminous products, or for therapeutic purposes. Shrewd buyers will watch the gas mantle market from day to day because mesothorium is obtained as a secondary product (by-product) in the manufacture of thorium for the gas mantle industry. The output depends upon the demand for thorium nitrate. We offer this explanation, because some buyers needing only small quantities have confused radio-activity with WJZ and WEA and try to place their orders for radium with the Westinghouse company or the American Telephone and Telegraph Co. Up to the time of going to press the Federal Trade Commission has paid no attention to the "cut-throat" competition in radium and no citations have been issued for practicing unfair trade methods.

Trade reports this week tell of a decrease of five per cent in imports of American paints by India during the past year. The statement is made by the Canadian Trade Commissioner to India who also finds that German dyes hold 80 per cent of the Indian market and British dyes have almost disappeared. Here seem to be two opportunities for American manufacturers to get new business, if prices are right.

The varnish business has made a long stride since Colonial days when varnish was made in kettles by itinerant "manufacturers" who went about the

country with a cartload of oils, gums and solvents and made up a batch whenever they found a customer. Varnish is still made in kettles, but they hold as much as 250 gallons, and manufacturers are to be found in all large cities.

A fly-paper poison has been devised by a Georgia farmer to catch the boll-weevil. While arsenate is used to kill the bug, he is induced to sample the mixture by a peculiar odor which he likes so well that he will risk death to enjoy it. The body of the compound is said to be molasses which always has been superior to vinegar for catching anything that flies.

WARNS AGAINST PERIL OF INFLATION

Discussing the "Ease of Inflation," J. H. Tregoe, secretary-treasurer of the National Association of Credit Men, recently said:

"Inflation is not a growth but a disease. It does not tend to progress. It hinders. Clearly, it is better for industries to grow gradually, for credit to expand conservatively, rather than to have hectic periods, when credit is misused, bringing the crisis with distresses and losses in its train. Whenever there fails to be a healthful spread between basic fabricated prices, whenever farm products are selling too low and other commodities are selling too high, these situations should plainly show that values for credit purposes ought to be measured carefully and sufficient margin allowed to preserve the liquidating power without any impairment of credit.

"The production expert and the distribution expert should think more than he has customarily thought of the credit end of commerce. It is credit which supports the fabric of business. It is the proper use of credit which assures prosperity, while the misuses of credit destroy the structure and cause progress to turn about face. A little study will, no doubt, save us from dangerous inflations."

Many Men: Many Minds

A poor workman blames his tools. A good workman will not use poor tools. He gets good tools and keeps them in good condition.—Simonds Guide.

The man who knows the business of making and the man who knows the business of selling make a strong combination when they put their heads together in conference.—Knowledge.

An English maker of mustard once said his business thrived, not on the mustard people ate, but on the mustard they left on their plates. So the iron and steel business thrives on rust, says the National Oil Products Co. in a pamphlet just issued.

"It is estimated that the boll weevil has cost the country \$300,000,000," says the Boston Transcript, "and now the corn borer is struggling to break into the ranks of the multi-millionaires." All of which makes it appear that the insecticide business should recover quickly from the recent depression.

Success springs from strength. Of rival shopkeepers one may have the better location, but that is more apt to be the result of good judgment than of chance. Maybe he has more capital, but that is a sure sign of prudence. Surely he is more affable in manner; more thorough in methods, more fair-minded, more vigorous.—John Burroughs.

Medicinal Chemical Developments in 1922

Year Saw Prices Turn Upward After Post-War Slump, Saw Buyers Expand Operations, and Saw the Passage of the Fordney-McCumber Tariff Act

PRICES for medicinal chemicals to-day stand almost exactly where they stood two years ago at the beginning of 1921. The relative conditions of the market, then and to-day, however, present vastly different aspects. January, 1921, saw prices still dropping precipitously, continuing the sharp downward movement started some six months previously in 1920 when the post-war inflation bubble burst, and business all over the world was let down with a crash. To-day sees chemical prices on the upgrade, slowly to be sure, but nevertheless steadily recovering from the slump which forced practically all values below American manufacturers' cost of production.

Starting from the high peak of early 1920, fine chemical values fell steadily for almost two years, reaching the bottom along about a year ago in December. At that time, hardly a plant in the United States was producing chemicals at a profit, and the vast majority were taking staggering losses, losses which threw some into bankruptcy and drained dry the war-time profits of others who had been wise enough to prepare in advance for the break that was bound to come. By January 1st, 1922, most of the water had been squeezed out of the medicinal chemical industry in the United States, and the industry was prepared to renew business on something approaching a normal pre-war basis.

Nineteen twenty-two can be looked back upon with a considerable degree of satisfaction when the following resume of conditions as they existed in 1921, and the hopes which were expressed for 1922, is brought to mind: "A period of approximately two years of chemical market deflation is believed to have ended with the passing of 1921. In the American chemical business at any rate, fervent hope has been expressed that 1921 carried with it into the past all those characteristics which have made the last twelve-month the worst commercial nightmare of a decade. The medicinal chemical industry of the country has been cleared of the weak element—the 'shoe-string' operator, the left-over war-time driftwood—to a large extent, but the surprising feature of the past year lies in the fact that with the eliminating of the unfit and unlucky, an unusually small number of big chemical failures were recorded. When the severity of the test is considered, it speaks well for the solidity of the industry's foundations."

As is now quite generally known, 1922 did see the beginning of a new period in medicinal chemical market history. It was the first year after the post-war slump; it was the year in which prices began to climb out of the depths representing figures thirty and forty per cent below cost of production; it was the first year in which buyers began to lay gradually aside

Would buyers with many years of purchasing experience in the chemical and drug fields, contract freely for delivery of goods over 1923 if their confidence in the future of the market had not been restored?

The fact that contract business for 1923 has been heavy, is the best evidence available that deflation has run its course and stability has returned. Buyers, who for two years shunned long term contracts like the smallpox, have completely changed the aspect of market conditions, and have bought freely for the future.

This is merely one of the straws which show how the wind in the chemical and drug trades has changed during 1922.

Two years ago, prices were on the last lap of the downward movement. At the end of the year, the bottom had been reached. During 1922, the climb back has been started. Prices have reached the levels, almost exactly, where they stood two years ago. The year 1922 has been spent in overcoming the losses of 1921. What will 1923 do?

their "hand-to-mouth" purchases which had characterized business during 1920 and 1921, and to look to the future; it was the first year since 1919 during which the morale of the American chemical industry showed signs of regaining its pre-war status; and it was the year in which the long delayed Fordney-McCumber Tariff Act, offering encouragement to some American chemical manufacturers, became a law. Altogether, 1922 was distinctly a turning point from the dark days of 1920 and 1921. The business improvement which failed to materialize during 1921, became a reality in 1922.

Effects of the Tariff

Without question, the one big single occurrence of the year as far as its effect on the market and prices for medicinal chemicals in the United States is concerned, was the passage of the Fordney-McCumber Tariff Bill. The rate of

sixty per cent and seven cents per pound on coal-tar medicinals under the new tariff compares with a general rate of fifteen percent on "medicinal compounds" under the old Underwood Tariff. Of some of the common medicinals which carry the higher rate now, salicylic acid used to be subject to 2½c a pound; salol carried 25 percent as did phenolphthalein, acetanilid, acid acetylsalicylic, and guaicol carbonate; benzoate of soda used to carry 5c per pound duty, and saccharin 65c per pound. The new duties are being computed according to the American valuation plan.

Some of the other important and outstanding revisions of the old Underwood rates under the new tariff, include mercury and mercurials, bismuth preparations, citric acid, tartaric acid and tartrates, bromides, strychnine, iodine, methyl alcohol, alcoholic chemical compounds and derivatives, and others. The mercury duty was advanced to 25c per pound or \$18.75 per flask, which means about thirty percent. The old rate approximated \$5.00 per flask. Mercurials were of a consequence, advanced in rate from fifteen percent to forty-five percent as a result of the duty on the metal. Bismuth salts which carried ten percent under the Underwood Law, were placed at thirty-five percent in the Fordney schedule. Citric acid which carried five cents for some years was advanced to seventeen cents per pound to protect the California producers. Citrate of lime was moved from one cent to seven cents per pound duty.

Rates on most tartrates were doubled in view of the fact that foreign goods had been sharply underselling in this market for two years prior to the passage of the tariff. Cream tartar went from 2½c per pound to 5c, the acid from 3½c specific to twenty-five percent ad valorem which works out about 7½c duty to-day, and others correspondingly. Bromides of German manufacture which had been selling in American

markets for about half of the best price which domestic producers could do, came in for a stiff advance in duty. Bromine, bromine compounds, and bromides were placed at ten cents per pound specific. Under the Underwood rates, sodium and potassium bromides were dutiable at 15 percent. Of course, with foreign producers able to lay down their goods at New York for 10c and 11c per pound in view of depreciated exchange, while American cost was close to twenty cents, the fifteen percent rate was inadequate on the face of it if American makers were to continue in business. Strychnine, which has been free for some years, was placed on the dutiable list at fifteen percent ad valorem as a result of the sharpness of Swiss and German competition in this market during the past two years. Iodine, resublimed, formerly free, has been assessed at 20c per pound. Epsom salt, formerly held at ten cents per hundred, is now on the list at fifty cents per hundred. Wood alcohol carries 12c per gallon as compared with no duty under the Underwood law.

Analysis of Price Movements

From the low point of medicinal chemical prices last January, values as a group have moved up roughly thirty percent during the year. The greater portion of this movement has taken place during the past four months and has been the biggest boom to buying which the industry has seen in three years. Buyers who in a falling market, would have nothing whatsoever to do with anything outside of immediate needs, displayed signs of interest when prices ceased to fall, and when the turn came and prices assumed an unmistakable upward tendency throughout practically the entire medicinal group, entered the market in increasing numbers for larger quantities of merchandise. The entrance of buyers has in no manner resembled a stampede of 1919, but has been rather in the nature of a gradually feeling out process which is evidently slowly expanding to the proportions of a real buying movement.

Although the greatest distance in the upward movement of fine chemical prices was covered during the latter part of 1922, the first few months of the year are significant inasmuch as they mark the real turning point, the point where manufacturers had become sufficiently strong to withstand the onslaughts of buyers on prices. January, February and March saw really little in the way of actual price advancement, the total change aggregating a gain of some one or two percent by the whole group, but these months did see a falling market turn about and resist the pressure to drive it down. The recovery was slow at first, becoming more rapid until early summer was reached, at which time a slight reaction due to the temporary withdrawal of buyers, caused a loss of a percent or two in medicinal values. The loss was soon overcome, however, by a steady increase in buying and a gradual upward movement in prices during July and August, an unusual occurrence and contradictory to the usual mid-summer behavior of the chemical market.

By the time early September had been reached, two factors stood out almost equally in indicating that prices, according to every law of economics, had to go up. Shipments of foreign chemicals to the United States for some months previous had been materially reduced and excess supplies of American made goods in the face of greatly retarded, and in some cases complete absence of production, had been cut down greatly. This factor in itself would probably have been sufficient to bring about an upward movement in prices. However, early in September, the likelihood of the passage of the Fordney-McCumber Tariff Bill with generally higher rates for fine chemicals brought increased

purchasing into the market in advance of the passage of the bill and added its impetus to the movement already started. With the signing of the bill by the President on September 22d, the new rates became effective and further price advances followed. When it is considered, however, that practically the whole chemical list had been selling from excess supplies below cost for almost two years prior to this time, the upward revision of prices after the new Tariff became effective was more a movement of self preservation by the industry than any attempt to "cash in" on the higher rates. In fact, indications point to many years of the higher chemical prices before the American medicinal industry can wipe out its losses of 1920-21-22, and again stand on its own feet.

Such changes as were made following the passages of the Tariff Bill, were made during October and the early part of November. December was a typically quiet month, buying falling off as inventory time approached. Throughout the slowing down period at the close of the year, however, prices which had found their way upward during September, October and November, maintained the new levels apparently without difficulty. From February 1st until the end of November, the ten middle months of the year, approximately thirty percent represented the gain in prices, three percent a month. When this is compared with losses of ten and fifteen percent per month during 1920 in medicinal chemical values as a group, it is apparent that prices have not moved upward as rapidly during the year as appears at first glance.

Outstanding Price Movements

A general comparison of some of the more outstanding price movements during the year shows that practically all the significant and sharp changes were toward higher levels. The skyrocket price advance of phenol following the development of a scarcity in American markets, was one of the features of the year, and was reflected in all phenol derivatives. The movement in wood chemicals along in early September which was carried through to the end of the year, was another development which stood out above the market. Developments in bismuth and mercurial preparations were a direct result of the tariff and stood out quite prominently. In almost every case where weakness in American medicinal chemicals was noted during the past year, it could be traced back to cheap imported goods. Although coming in here in smaller lots than in 1921, the influx of some products was sufficient to hold domestic prices below cost.

Phenol could be bought last January on spot in New York for 11c to 12c per pound in large drums. This represented offerings from excess war-time Government stocks which at the close of the war were reputed to total 25,000,000 pounds. From November, 1918, until September 1922, no phenol was produced in this country nor was any imported. The war surplus goods supplied the demand. The middle of 1922, however, saw stocks considerably reduced and actual available supplies on the open market small. Prices began to rise. To-day the spot market stands at 35c per pound and most of the goods offered is English material which has been imported just prior to and since the passage of the new tariff. Of course, with raw material costs trebled, all phenol derivatives moved up. Salicylic acid and the salicylates were advanced sharply, U. S. P. acid finally climbing to 40c per pound.

The movement in wood chemicals is worthy of special mention as it was one of the features of the

(Continued on page 19)

Report on Arsenic Ready for the Senate

Departments of Agriculture and of the Interior Unite in Investigation of Production for 1923 and Probable Demand—Southern Cotton Planters Will Need Double the Amount of Calcium Arsenate Consumed in 1922—Report to Senate Will Discuss Rumors of a Corner in Arsenic Engineered by New York Firms—Shortage Seems Probable—All Foreign Supplies Under Contract

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 3.—The Department of Agriculture and the Department of the Interior joined forces in preparing the report to the Senate on the arsenic situation. The facts have been collected by Dr. B. R. Coad, entomologist of the Department of Agriculture, and G. E. Loughlin, of the Geological Survey, who were designated by Secretaries Wallace and Fall to take charge of the matter. Mr. Loughlin says he has completed his part of the investigations and forwarded his report to Dr. Coad, who is now in Louisiana. Dr. Coad will reconcile this report with his own, returning both to Mr. Loughlin, who will draw up the final report and submit it to Secretaries Fall and Wallace, to be submitted to the Senate upon their approval. Mr. Loughlin is expecting Dr. Coad's report any day.

Investigators found that contracts for European supplies had been made by R. W. Greeff & Co. and Pfaltz & Bauer, acting for large consumers in the United States, and that another New York firm had obtained options on Japanese supplies. The report to the Senate will discuss the work of the investigators under the following headings:

All importable arsenic available up to next April is under contract in all foreign countries. While the spot New York market on white arsenic is between 16½¢ and 17¢ per pound, these foreign contracts were secured on an average of 10¢ per pound.

The demand for calcium arsenate with which to combat the ravages of the cotton boll weevil and for other purposes will be twice as great in 1923 as in 1922; and this demand probably will stimulate domestic production. While the steadily rising price of the insecticide is expected to go to still further heights, according to officials, any steps taken to increase the supply will be too late to benefit the fight against the weevil during the coming season.

B. R. Coad, in charge of the Delta Laboratory of the Department of Agriculture at Tallulah, La., who directed the investigation for Secretary Wallace, states that no calcium arsenate, which is manufactured with white arsenic, remained in any warehouses after September. He says that the use of arsenic as larvicide in mosquito control work is being extended in the malarial regions of the South, and that the cotton growers will demand two to three times as much of the insecticide as in 1922.

Though the unusually large demand for arsenical compounds for use as insecticides is doubtless the principal cause of the shortage of arsenic, there are a number of other causes, the report will inform the Senate. Among these are the reduction in the quantity of copper ores treated at Anaconda, Mont., and at Tacoma, Wash., the small supply of arsenical dust from the lead smelters in Montana, Utah and Colorado, and the decrease in the imports from Canada, Japan and Mexico.

The present demand for arsenic amounts to 12,000 tons a year, whereas the supply available last year from

both domestic production and imports amounted to only 6,455 tons. It is stated that manufacturers are loath to install the refining process, which is expensive, unless the prevailing high prices will continue. They are unable to make a profit on the arsenic unless a price closely approaching this figure is obtained.

ARSENATE TOO EXPENSIVE FOR COTTON

"The best authorities show that if every pound of calcium arsenate in the world today could be obtained for boll weevil poison it would only be sufficient to poison one-fifth of the cotton acreage planted in 1922. Supplies are not only absolutely inadequate, but the price is absolutely prohibitive."

This statement was made by J. S. Wannamaker, president of the American Cotton Association. Explaining in detail his reasons for the statement in an article in the "Journal of Commerce," Mr. Wannamaker says:

For the benefit of those who believe a solution of boll weevil control lies in the proper use of calcium arsenate, I will give the results of a few of the many farms which we have supervised and kept the most complete records.

In 1921 one of the most extensive cotton farmers in the South Atlantic States, who had an average production for years of a bale of cotton per acre, reduced his cotton acreage to 3,000 acres of his most fertile lands. The lands were thoroughly prepared, highly fertilized, intensely cultivated and the latest methods of boll weevil control adopted. His total production was 204 bales.

In 1922 he reduced his total cotton acreage to 1,500 acres, this embracing the cream of his lands. These lands were thoroughly prepared, heavily fertilized, intensely cultivated, and the cotton was not only poisoned throughout the entire season—ten applications of dry calcium arsenate being applied with the very latest machines—but, in addition to this, the weevils and punctured squares were picked on an average of from once to twice a week. The total production on these 1,500 acres was 184 light bales of cotton, with short and immature staple due to the premature opening of the crop in August and September.

I wish to submit the following statement, showing the cost of calcium arsenate, as applied on this farm and other farms in various sections of the South Atlantic States:

1,500 acres, 10 lbs. per acre, 10 applications—	
150,000 lbs. at 15¢ per lb.....	\$22.50
30¢ per acre (men and teams).....	4.50
One-third cost 10 two-horse machines.....	1.00
	<hr/>
Cost per bale (184 bales)	\$28.00
Same at 20¢ per lb.....	\$152
Cost per bale (184 bales).....	35.50
Same at 25¢ per lb.....	74.55
Cost per bale (184 bales).....	\$233.69
Cost per bale with 15¢ calcium arsenate:	
If make 1 bale per acre.....	\$18.66
If make 1 bale to 2 acres.....	37.33
If make 1 bale to 4 acres.....	74.66
If make 1 bale to 8 acres.....	149.33
Cost per bale with 20¢ calcium arsenate:	
If make 1 bale per acre.....	\$23.66
If make 1 bale to 2 acres.....	47.32
If make 1 bale to 4 acres.....	94.64
If make 1 bale to 8 acres.....	189.28
Cost per bale with 25¢ calcium arsenate:	
If make 1 bale per acre.....	\$28.66
If make 1 bale to 2 acres.....	57.32
If make 1 bale to 4 acres.....	114.64
If make 1 bale to 8 acres.....	229.28

BRITISH ACCUSE ARSENIC SPECULATORS

Rising prices for arsenic in England are being discussed in British trade papers. A few months ago the quotation for white arsenic was £41 per ton, "free on rail" Cornwall, and is now in the neighborhood of £70 per ton. Prices have been steadily mounting and even though some slight decrease in the rate of rise is now evident, there is no ground for the assumption that the highest point has yet been reached. Official figures are not yet available, but it is believed that the Cornish output this year is little over 1,000 tons, and that of the United States about 8,000 tons, says the "Chemical Trade Journal," which continues:

"The American demand for calcium arsenate as an insecticide in combatting the boll-weevil in the cotton-growing areas persists as the factor dominating the situation. Over 4,000 tons were used for this purpose last year, and it is certain a far greater demand will be experienced during the coming season. Something like a panic exists in America about the arsenic supplies. Uninformed opinion is accusing producers and dealers of manipulating the market and forcing prices up for their own benefit. In the new tariff, white arsenic has been placed on the free list, but this has had little effect in encouraging imports, the arsenic shortage being world-wide."

DETERIORATION OF CALCIUM ARSENATE

In a report prepared by the Department of Agriculture in response to complaints of plant damage when calcium arsenate was used to kill the cotton boll weevil, the Department says: "A preliminary investigation showed that in the cases of the most serious burning reported the injury was due to the use of improperly made calcium arsenate. The evidence of deterioration seemed sufficiently suggestive, however, to warrant an investigation of the matter under accurately controlled conditions. The Department obtained material representing all the leading commercial brands, with the following results:

"Of the calcium arsenates examined, none of those stored in sheet metal drums or in tight hardware barrels, with possibly one exception, suffered sufficient change in twenty months to be injuriously affected for use from the standpoint of plant toxicity.

"In a few cases where calcium arsenate was stored in unlined and in paper-lined veneer drums, and in unlined and in paper-lined sugar barrels, the calcium arsenate at the end of the twenty-month period contained soluble arsenic oxide in sufficient amount to make doubtful its safety for application on certain foliage."

NEW POISON FOR THE BOLL WEEVIL

Arsenate as a poison, molasses as a binder, and a third material which is held secret make up the boll weevil remedy called the Hill mixture, which has been successfully used in Burke County, Ga. The expense per acre is said to be only \$2.25 to \$2.50. The yield of cotton after application of the mixture is said to be equal to the production before the advent of the weevil.

Stockholders of the Continental Can Co. at a special meeting ratified the plan calling for changing the par value of the stock from \$100 a share to no par value and the authorization of 500,000 shares of no par value stock. The plan calls for the exchange of the present \$100 par value stock for the no par value stock on the basis of 2 2-3 shares of new no par value stock for each share of present \$100 par value stock outstanding.

Financial Notes

The Canadian Industrial Alcohol Co., Ltd., has declared a dividend of 1 per cent for the quarter ending Dec. 31, payable Jan. 15 to holders of record Dec. 30.

A 50% stock dividend has been declared by the Lederle Antitoxin Laboratories, Inc., payable to holders of record Dec. 28.

The Atlas Powder Co. has declared the regular quarterly dividend of 1½% on the preferred stock, payable Feb. 1 to holders of record Jan. 20.

The Crown Cork & Seal Co., Baltimore, has two new directors. Roland M. Byrnes of the National City Co., and Howard E. White were elected recently.

The United States Can Co. has declared the regular quarterly dividends of 50c a share on the common and 1¼% on preferred, both payable Jan. 15 to record Dec. 31.

The Sterling Salt Co. stockholders recently authorized an increase in capital stock from \$2,200,000 to \$3,300,000, par \$100. Of this sum \$550,000 will be distributed as a 25% dividend to holders of Dec. 22.

The New Niquero Sugar Co. is paying a 200% stock dividend on the outstanding \$1,500,000 common stock. Preferred shareholders have agreed to exchange their stock, share for share, for the common. Both are par at \$100.

A special common stock dividend of 10% has been declared by the National Licorice Co., Brooklyn. The dividend is payable Jan. 9, to holders of record Dec. 21. Last July the company paid a semi-annual dividend of 2½%.

The Worcester Salt Co. has taken \$1,000,000 from its surplus and undivided profits and increased its capital stock from \$1,000,000 to \$2,000,000. The extra stock will be distributed Jan. 2 to stockholders of record Dec. 30 as a 100% stock dividend.

The following judgments were entered last week: Oakley Chemical Co., against the E. & O. Mfg. Co., \$128.48; Pfaltz & Bauer, Inc., against Daniel Salter, \$109.60; John T. Stanley Co., Inc., against the Tracey Drug Co. (J. M. Traster), \$129.85.

The Lowell Bleachery, Lowell, Mass., has increased its capital stock from \$800,000 to \$1,200,000, par \$100, the 4,000 additional shares to be distributed as a 50% dividend to holders of record Dec. 15. The company had a surplus of \$1,017,595 on June 3, 1922.

The Corn Products Refining Co. has declared 3% on common stock, in addition to a quarterly dividend of 1½%, both payable Jan. 20 to holders of record Jan. 2. The company has paid ¼% extra each quarter since Jan., 1920, the regular dividend being 1%.

The Johns-Manville, Inc., stockholders have voted to change the 25,000 shares of common stock, par \$100, into 250,000 shares of capital stock, no par value. Of this amount 200,000 shares will be exchanged for common stock at the rate of 8 shares of new for one share of old \$100 par stock. The balance of 50,000 shares has been purchased by the employees at \$50 per share.

The Sterling Products Co. will increase its capital by issuing 100,547 additional no par value shares, which will be offered to holders of record Dec. 29 at \$50 per share on a basis of one new for each five now held. The proceeds will be used to purchase the Chas. H. Phillips Chemical Co., Inc. The concern will pay a quarterly dividend of \$1 per share on Jan. 15, 1923, in which the new stock will not participate.

QUOTATIONS ON CHEMICAL STOCKS

Bid	Asked	Bid	Asked
Air Reduction	58	Hercules Powder	95
*Allied Chem. & D. 79½	79½	Hercules Powd., pf.120	123
*Allied Ch. & D., pf.111	112	Heyden Chem. 1½	2
Am. Ag. Ch. 31	32	Hooker Electro. 55	65
*Am. Ag. Ch., pf. 58½	60	Hooker Electro. pf. 60	70
*Am. Chicle. 6½	7½	*Int. Agricult. 6½	8
*Am. Chicle, pf. 28	30	*Int. Agricult., pf. 30	30½
*Am. Cot. Oil. 17	17½	*Int. Nickel. 13½	14
*Am. Cot. Oil, pf. 34½	37	*Int. Nickel, pf. 69	69½
*Am. Cyan. 15	20	*Int. Salt. 83	83
*Am. Cyan., pf. 53	56	*Mathieson Alk. 47½	48
*Am. Druggist S. 6	6½	Merck & Co., pf. 72	75
Am. Glue. 82	85	Merrimac. 83	86
Am. Glue, pf. 124	126½	Mulford Co. 35	40
*Am. Linseed. 30	32	Mutual Co. 150	150
*Am. Linseed, pf. 52	54½	*National Lead. 128	128½
*Am. Malt. 12	13	*National Lead, pf.112	114
*Am. Zinc. 15½	16	N. J. Zinc. 95	100
*Amer. Zinc, pf. 48	50	Nia. A., pf. 96	100
Atlas Powder. 145	155	Parke, Davis & Co. 69½	70
Atlas Powd., pf. 87	88	Penn. Salt. 85	87
British Am. Chem. 1	1	People's Gas. Chi. 93	93½
By. Prod. Co. 57	65	Procter & Gamble. 124	126
Carborundum. 135	135½	Procter & Gam., pf. 108	104
Carborundum, pf. 118½	116	Royal Bak. Po. 122	125
Casolin Co. 30	45	Royal Bak. Po., pf. 97½	99½
Celluloid Co. 92	98	Sherwin-Williams .. 27½	28½
Celluloid Co., pf. 109	110	Sherwin-W., pf. 93	97
Ches. Mfg. 205	215	Stand. Ch. 90	100
Ches. Mfg., pf. 112	115	Swan & Finch. 24	23
Com'l Solv. A. 43	43½	*Tenn. C. & Chem. 109½	103½
Do B. 27	35	*Tex. Gulf, Sul. 59½	60
*Corn Products. 132½	132½	Union Carbide 64½	67
*Corn Products, pf. 120½	121	Union Sulphur 79	81
*Davison Chem. 32	33	*Un. Drug. 1st pf. 47½	47½
Dow Chem. 200	200	*Un. Drug. 42	43
Dow Ch., pf. 103	103	*Un. Dyewood, pf. 50½	51
Du Pont de Nem. 152	153	Un. Gas, Imp. 56½	56½
*Du P't de Nem.Db. 85	86	Un. Gas, Imp., pf. 56	56½
Eastman Kodak. 89½	89½	U. S. Gypsum. 61½	62
Eastman Kodak, pf. 110	110	*U. S. Indus. Al. 67	67½
*Freepore, Tex., Sul. 19	19½	*U. S. Indus. Al., pf. 95½	99
Freeport. Tex. Sul., pf. 91	93	*Va.-Car. Ch. 24	25
*Grasselli. 128	132	*Va.-Car. Ch., pf. 60½	61
*Grasselli, pf. 100	101½	*V. Vivandou. 15½	16

*Listed on New York Stock Exchange

700 RARITAN ANILINE SHARES \$40

With the advent of the income tax period stock sales at the Vesey Street Auction Salesroom, New York City, are mounting rapidly. Last week 317 shares of Butterworth-Judson Co. preferred stock were sold for \$400. Other sales of chemical or drug stocks were as follows:

Raritan Aniline Works, 700 shares, \$40 lot.
 Nemours Trading Corp., 120 shares, \$50 lot.
 Arsenical Ore Reduction Co., 124 shares, \$1 lot.
 Meadows Oil & Chemical Co., 50 shares preferred, 200 shares common, \$8 lot.
 Internations Products Corp., 70 shares preferred, \$1 lot; 35 shares common, \$1 lot.
 Lakeland Phosphate & Fertilizer Co., \$24,400 notes, \$5 lot.
 Thiogen Co. of America, 500 shares, \$5 lot.
 National Drug Stores, 50 shares 7 per cent preferred, 50 shares common, \$850 lot.
 Devoe & Reynolds Co., Inc., 2 shares preferred, \$97 per share.
 Homewood Nitrogen Co., 20 shares preferred, \$1 lot.
 General Food Products Co., 24 shares common, \$2 lot.
 Southern Potash and Chemical Co., 75 shares, \$6 lot.
 Southern Oil and Chemical Co., 100 shares, \$12 lot.
 Kingsport Color Corp., 33 shares, \$5 lot.
 Acids Mfg. Corp., 319 shares preferred, \$4 lot.
 River Feldspar and Milling Co., 100 shares common, \$160 lot; 100 shares preferred, \$575 lot.
 New Idria Quicksilver Mining Co., 1,500, \$50 lot.
 Deep Sea Fisheries, 64 shares, \$32 lot.
 St. Louis Coke and Chemical Co., 100 shares preferred, \$25 per share; \$100 shares common, \$1 per share.
 Rollin Chemical Corp., 100 shares preferred, \$25 lot.
 Reliable Aniline & Chemical Co., Inc., 84 shares common, \$5 lot; 840 shares preferred, \$100 lot.

DU PONT SURPLUS \$65,351,742

E. I. du Pont de Nemours & Co., the E. I. du Pont de Nemours Export Co. and the Rokeby Realty Co. make the following report of their consolidated income account for six months ending June 30:

Net sales	\$25,950,033
Net income from operations & investments.....	\$5,255,298
Profit and loss on sale of real estate, securities, &c.....	91,559
Total income	\$5,346,857
Deduct—Bond interest, including proportion of discount.....	1,406,653
Balance of income for the six months.....	\$3,940,204
Surplus at beginning of year.....	\$6,080,660
Total surplus	\$70,023,263
Deduct—Debtenture stock dividend paid in cash.....	2,137,791
Common stock dividend paid in cash.....	2,534,330
Surplus at end of June, 1922.....	\$65,351,742

Balance Sheet as of June 30, 1922 (Subject to Adjustment)

ASSETS	
Adv. to controlled cos.....	\$7,411,388
Secs. held for perm. inv.....	\$97,765,496
Realty, not incl. pl. rl. est.....	1,994,634
Perm. inv. in mfg. propr., patents, goodwill, &c.....	84,982,976
Cash	15,971,654
Accounts receivable	11,158,237
Bills receivable	543,458
Accts. rec. (Govt. claims).....	750,690
Inv. in sh. term notes & quickly marketable secs.....	\$5,935,547
Material & supplies	12,264,177
Finished product	9,978,101
Deferred debit items	2,254,844
Total	\$251,008,602
LIABILITIES	
Voting debenture stock.....	\$1,738,750
Non-voting deb. stock	69,524,200
Common stock	63,378,300
Accounts payable	1,935,234
Acct. interest on funded debt.....	437,500
Accrued dividends	1,068,896
Funded debt	35,000,000
Adv. from controlled cos.....	3,200,213
Depreciation reserves	3,858,240
Bad debts fund	1,157,389
Works accident, pensions, &c.....	2,793,664
Reserves for contingencies	441,119
Def. liab. & credit items.....	1,006,351
Surplus	65,351,742
Total	\$251,008,602

* Includes \$2,174,004 (par value \$2,059,000) of E. I. du Pont de Nemours & Co. 7½% bonds and \$3,200,000 of call loans. † Of this amount du Pont American Industries, Inc., whose principal asset is about 7,000,000 shares of General Motors Corp. Common stock; \$16,507,405 investments in subsidiary, owned or controlled companies; \$10,258,091 of miscellaneous securities.

U. S. SMELTING EARNS \$4,187,000

Boston, Jan. 3.—The United States Smelting, Refining and Mining Co. has declared a quarterly dividend of 87½c a share on the preferred stock, payable Jan. 15 to holders of record Jan. 5. The company reports consolidated earnings for the eleven months of this year to Nov. 30 at \$4,187,000, after providing all interests. There have been deducted from these earnings reserves of \$1,411,000 for depreciation, depletion and amortization, leaving estimated net earnings for the eleven months of \$2,776,000 from operations.

It is estimated that annual adjustments with reserves for taxes provided will increase the net earnings to approximately \$3,600,000, out of which it is proposed to provide an additional reserve of \$1,600,000 for further amortization of capital, investments and other purposes. The remaining \$2,000,000 will provide for preferred dividends of \$1,702,225, and leave a small balance to be added to consolidated surplus.

New Incorporations

Florida Humus Co., \$200,000, Zellwood, Fla. To make fertilizers. J. A. Hayes, R. J. Rosenthal, M. J. Perez.
 Alpha Co., Zellwood, Fla., \$200,000. To make fertilizers. J. A. Hayes, R. J. Rosenthal, M. J. Perez.
 Slick Shine Co., Wilmington, \$500,000. To make chemicals and by-products. Colonial Charter Co., Ford Bldg., Wilmington.
 Capital Increases—Scientific Chemical Co., 141 West 36th st., New York, \$100,000 to \$3,000,000.
 J. T. Baker Chemical Co., Phillipsburg, N. J., \$150,000 to \$500,000.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 32

CHLORINE AND BLEACH HIGHER

Advances Announced in Oxide of Tin—Arsenic on Spot Takes Another High Jump—Copperas Scarce, and Copper Sulfate Firm—Oxalic Acid Lower—Strong Demand for Heavy Acids

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Tin Crystals, 1½c lb.	Arsenic, white, ¾c lb.
Arsenic, red, ¾c lb.	Tin Oxide, 3c lb.
Declined	
Oxalic Acid, ¾c lb.	Potassium Prussiate, red, 5c lb.
Sodium Prussiate, yel., ½c lb.	

Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acetic Acid, Glacial....lb.	\$12	\$12	\$12	\$10	\$19½	\$07
Sulfuric Acid, 66 deg..ton	14.00	14.00	14.00	16.50	55.00	20.00
Bleaching Powder,						
Works .....100 lbs.	2.00	2.00	2.00	2.25	9.50	1.50
Copper Sulfate .....100 lbs.	6.00	6.00	5.75	5.55	20.00	4.50
Potash, Caustic .....lb.	.06½	.06½	.06½	.05½	.87	.08
Saltpetre, gran. ....lb.	.07½	.07½	.07½	.07¼	.38½	.04½
Soda Ash, 38 p.c....100 lbs.	1.80	1.80	1.80	1.85	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.55	3.55	3.55	3.80	9.50	1.42
Potassium Bichromate ...lb	.10	.10	.10	.10½	.65	.06¼
Average	3.068	3.068	3.064	3.345	11.06	3.14

With a short week in between the holidays and the annual inventory period at hand, very little business was done in heavy chemicals. Such buying as went on was of the hand-to-mouth variety and sellers were unable to induce purchasing no matter what inducements were offered. For the most part, consumers were unwilling to carry large inventories over to the new year. Contracts for next year have been placed in good volume and the outlook for better business during the next six months is very promising. Prices on the whole are firm at recent levels and the trend seems to be upward in a number of items owing to scarcity and higher costs of production. Arsenic will undoubtedly remain scarce throughout the first half of the year. Prices have advanced for spot goods owing to scarcity. Copperas continues very scarce. Copper sulfate is firm at the recent advance and the present strength of copper. One maker

has advanced prices for chlorine and bleach. Tin crystals are higher due to increases costs of the metal. Oxide of tin has been advanced. Prussiate of soda and potash are easier. Sodium cyanide is firm. Oxalic acid is slightly lower. The alkalis, caustic soda and soda ash have been quiet on spot, though good contract business has been placed. Demand for heavy acids has been strong for the coming year.

Acid, Acetic—Very little activity with quotations unchanged. 28 per cent named at \$3.17½@3.42½ as to quantity. 56 per cent quoted at \$6.35@6.60. Glacial at \$12.05@12.80 as to quantity.

Acid, Muriatic—Buying for prompt delivery has been confined to small lots. Contracts for next year have been placed in good volume. 18deg. in tanks at works quoted at 90c@1.00 per 100lbs. 20deg. named at \$1.00@1.10 in tanks. 22deg. in carlots of carboys at \$1.75@2.00. Iron free 20deg. at \$1.35 per 100lbs. in carboys.

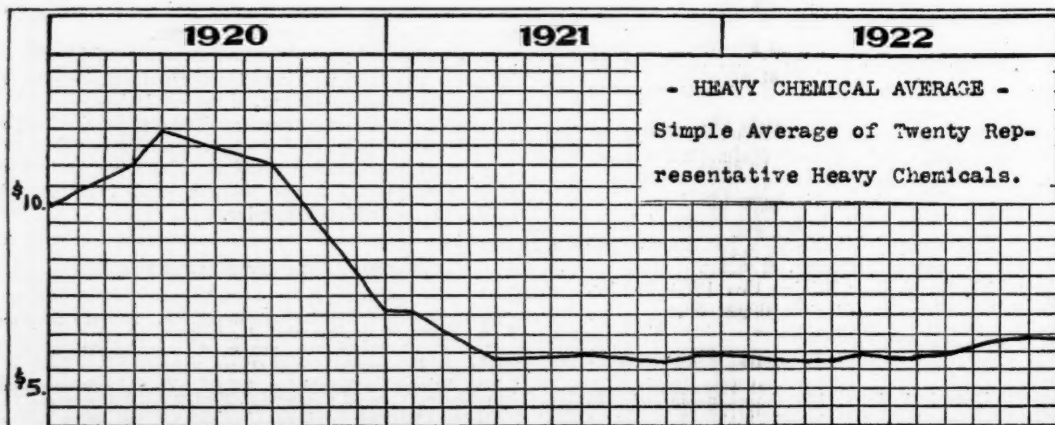
Acid, Oxalic—Domestic is being quoted at 13¼c@13½c in quantity at works. Competition is still strong between domestic and imported material. Imported quoted at 13½c@14c on spot.

Acid, Sulfuric—The number of contracts which have been placed in this item for the coming year augurs well for business in all chemicals. Prices range from \$14.00 @ \$16.00 per ton on tanks at work for 66deg. acid. 60 deg. named at \$9@11 per ton in tanks. Oleum named at \$17@18 per ton at works.

Alums—Are in better supply with prices steady. Ammonia lump at works named at \$3.50@3.65. Ground \$3.60@3.75. Powdered, \$3.90@4.00. Imported lump at \$3.25@3.50. Potash lump named at \$4.25 at works. Imported \$3.25@3.50.

Aluminum Sulfate—Iron-free moving at \$2.50@2.65 per 100lbs at works. Imported also quoted at \$2.50. Commercial at works named at \$1.45@1.50 in carlots of bags.

Arsenic—January, February and March shipment are quoted at 15½c@16lb. Spot supplies are very scarce



and quotations are heard of 15½¢@16¢lb. Prices will undoubtedly go to higher levels as the season advances. Calcium arsenate is 16¢@19¢ as to seller and quantity at works.

Barium Chloride—Prices are firm with domestic named at \$98@\$100 per ton at works. Imported at \$95@\$98 per ton.

Bleaching Powder—Contracts are being placed at \$1.90@\$2.00 per 100lbs as to maker at works. Spot is named at \$2.15@\$2.40 as to seller. Makers are assured of good business with plenty of contracts for the coming year. Supplies are not plentiful. Chlorine makers' production is sold ahead.

Copper Sulfate—Increased in demand as prices tend upward. Crystals are quoted at \$6.00@\$6.25 per 100lbs according to seller. Powdered at \$7.25@\$7.50.

Copperas—Production of largest maker is contracted for well ahead and is virtually out of the market as far as spot deliveries are concerned. Shortage in steel production has reduced the yield of iron sulfate. Holders are quoting bulk at \$20@\$21 per ton. Bags at \$23 and barrels at \$25.00.

Glauber's Salts—Firm on strong demand and limited supplies. Technical held at \$1.10 in bags and \$1.25 in barrels at works. U.S.P. quoted at \$1.40 in barrels. Imported technical on spot at \$1.00@\$1.10.

Potassium Prussiate—Yellow in steady demand and prices are firm at 38¢@39¢lb. Red is easier at 85¢@90¢lb as to seller and quantity.

Sodium Prussiate—Market is still easy 19¢@19½¢ with sales reported at 18½¢ in some directions.

Tin Crystals—Makers are quoting higher prices due to the increased cost of metallic tin. Named at 32½¢@33¢lb.

TURNER TAKES OVER J. L. & D. S. RIKER

Charles L. Riker, president of J. L. & D. S. Riker, Inc., one of the oldest heavy chemical firms in the United States, retired from office as head of the corporation on December 31, 1922, and the corporation was dissolved as of that date. Joseph Turner & Co. has taken over the business of the Riker corporation and will be located at the same address, 19 Cedar st., New York. Joseph Turner, for many years salesman for J. L. & D. S. Riker, has formed a partnership with Walter D. Marinelli, under the name of Joseph Turner & Co., and will carry on the business of the firm much as in the past. The passing of J. L. & D. S. Riker, Inc., marks the dissolution of one of the oldest factors in chlorates, bichromates, bleaching powder, and other heavy chemicals. The offices of Joseph Turner & Co. at 19 Cedar st., New York, are the same as those occupied by the Riker company for the past sixty-eight years.

Henry Howard, Cleveland, Ohio, was re-elected president of the American Institute of Chemical Engineers at its recent convention in Richmond, Va. Other officers re-elected were:—Secretary, John C. Olsen, Brooklyn, N. Y.; treasurer, F. W. Frerichs, St. Louis, Mo.; auditor, Charles F. McKenna, New York.

The New York Section of the American Chemical Society will commemorate the centennary of the birth of Louis Pasteur at a meeting on Friday evening, Jan. 5, at Rumford Hall.

SULFUR EXPORT CORP. FILES STATEMENT

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 3.—The Sulphur Export Corporation, New York City, has been organized under the Export Trade Act and has filed a statement to that effect with the Federal Trade Commission. The purpose of the new export association is to engage in the export of crude sulfur from the United States to foreign countries. Associations organized under the Export Trade Act, for the sole purpose of engaging in export trade, are exempt from the operations of the anti-trust laws, provided such associations do not restrain export trade or enhance or depress prices within the United States.

The officers of the association are: Clarence A. Snider, New York, president; S. Magnus Swenson, New York, vice-president; James T. Kilbreth, New York, secretary; Charles W. Kemmler, New York, treasurer. The following are stockholders and members: Henry Whiton, New York; Clarence A. Snider, New York; Eric P. Swenson, New York; S. Magnus Swenson, New York; Walter H. Aldridge, New York; Wilber Judson, New York; the Union Sulphur Co., the Freeport Texas Co. and the Texas Gulf Sulphur Co.

In 1920 a total of 1,517,625 long tons of sulfur valued at \$30,000,000 was produced and shipped in the United States, principally by four mines, one each in Louisiana and Nevada and two in Texas. During the same year 477,450 long tons valued at \$8,994,350 were exported from this country. Next to the United States the leading sulfur producing countries are Italy, Japan and Chile. In 1913 the total world production of sulfur amounted to approximately 800,000 long tons.

GERMANY TO TEST TARIFF ACT

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 3.—The German Consul General at New York has made a report to the German Embassy in Washington on the section of the Tariff Act which makes unlawful the importation of merchandise when American corporations own the patents and trade marks.

The Embassy claims that the provision is in contravention of the existing patent treaty between the United States and Germany, and a test case will be made. A shipment of some patented chemical will be made soon from Germany and it is expected that the Treasury Department will order a seizure.

Frank L. Arnold of North Woburn, Mass., for nineteen years with the Merrimac Chemical Co. as head of the sulfuric acid department, died Dec. 21 at his home, 32 School st., following a long illness. Mr. Arnold was born in Granby, Mass., 51 years ago. He was educated at the Massachusetts Agricultural College and for many years was with the Bowker Fertilizer Co., and later joined the chemical division of the Merrimac company.

Benedict Crowell, former assistant Secretary of War, and now chairman of the Board of Directors of the Crowell & Little Construction Co., and member of the Crowell & Murray Co., chemists and mining engineers, was indicted with six others in Washington, last week, by the Special Grand Jury established by Congress to investigate war contracts. Fraud is charged in connection with contracts for warehouses and fortifications.

Joseph Bourg of the Park Chemical Co., Detroit, was a visitor in the New York heavy chemical trade last week.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, see Chemicals, page 34

DISTRIBUTORS CUT CARBOLIC ACID 5c

Supplies Larger and Considerable Goods in Outside Hands—Quicksilver Advanced—Japanese Refined Camphor Reduced on Spot—Cocoa Butter Easier—Podophyllin Again Higher—Market Dull Over New Year Holiday—Wood Products All Firm and Tending Upward

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Hexamethylene, Imp., 5c lb.	Mercury, \$1.50 flask
Declined	
Acid Carbollic, 5c lb.	Camphor, Jap., 1c lb.
	Cocoa Butter, bulk, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$3.35	\$3.35	\$3.35	\$3.33	\$2.00	\$2.20
Acid Citric, Import .....	.48	.48	.50	.45	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	4.00	18.00	3.65
Calomel, American	1.25	1.25	1.15	.82	3.43	.90
Camphor, Jap., ref. ....	.91	.92	.94	.92	3.55	.41
Iodine, Resublimed	4.50	4.50	4.50	3.80	5.00	3.75
Menthol	10.00	10.00	11.00	5.25	13.50	3.00
Morphine Sulfate	5.35	5.35	5.35	4.80	12.80	4.50
Potassium Bromide, Cryst. ....	.26	.26	.26	.19	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.59 1/4	.90	.25
Sodium Salicylate .....	.47	.47	.47	.30	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	1.05	2.05	.50
Average	2.38	2.38	2.46	1.88	5.92	1.56

Buyers of medicinal chemicals probably will become active during the coming week, following the ten-day lay-off occasioned by inventory-taking and the holidays. The market continued listless during the week, with only a small volume of business passing. Prices are holding well and, generally speaking, are firm, the trend being to higher levels in most instances. The feature of the week was the reduction in distributors' schedules on carbollic acid, brought on by keen competition from outside holders. Imported hexamethylene is stronger. Quicksilver is regaining its previous level. Jap camphor declined. Cocoa butter is softer. Podophyllin continues on the upgrade. All wood chemicals occupy strong positions and are likely to move higher. Wood stocks are limited. Salicylate demand continues good, but with

phenol easier the situation has been relieved somewhat. There is some talk of an advance in the iodide schedule.

Acetanilid—Stocks in resale hands small and best is now 34 1/2c. Makers want 35c@38c as to seller.

Acid Carbollic—Distributors reduced prices under pressure of outside competition. Demand has eased somewhat and stocks on hand are larger. New schedule five cents lower than previous one, follows: 110lb. tins, 37c; 25lb. tins, 39c; 5lb. tins or bot., 41c@42c; 1lb bot., 46c; liquid U.S.P., 1lb. bot., 45c. It is possible to buy in 250lb. drums at 34c@35c, as to seller.

Acid Salicylic—U.S.P. acid 40c in makers' hands. Technical 37c@38c. Small amount resale U.S.P. 34c@37c. Firm but easier position of phenol has temporarily prevented further increase. Demand continues heavy.

Alcohol, Wood—Price unchanged but trend is to higher levels. Offering on basis of \$1.20@\$1.22gal. as to quantity, for 95 per cent in 50gal. bbls. Makers report alcohol stocks in fair quantity at present but say wood reserve is limited.

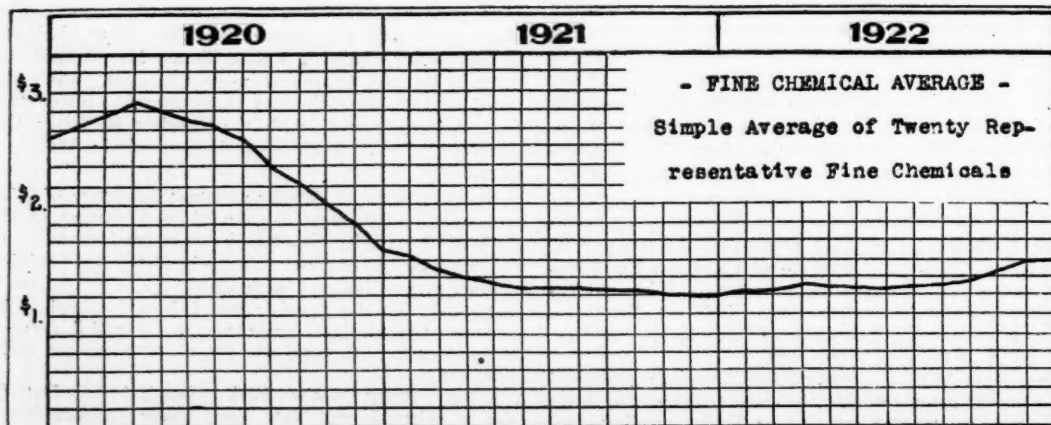
Camphor—Japanese refined slabs in better supply and lower in price at 91c@93c, as to quantity and seller. Small sizes unchanged \$1.02@\$1.04. American refiners ask 96c but are likely to soften views if present Jap figure becomes permanent. Small sizes \$1.01 1/4@\$1.02.

Cocoa Butter—Bulk goods slipped down to 30c@30 1/2c. as shippers reduced their quotations. Fingers holding at 36c inside and range to 40c as to quantity.

Formaldehyde—Strong at 16c. in carlots of bbls. at works. Less cars of bbls. or carboys 16 1/2c@17c as to quantity. Consumers active and with wood alcohol on the upgrade an advance is generally predicted.

Hexamethylene—Imported goods being held at 80c inside. American makers continue to ask 95c. Stocks of foreign made material still large but considerable buying activity is reported.

Hydroquinone—One seller offers goods, for spot de-



livery only, at \$1.05lb. General market level is \$1.10 inside. Quantity range to \$1.20.

Menthol—Market practically stagnant. Spot stocks not large but there is virtually no consuming demand. Quoted in cases at \$10.00 with less from \$10.25 to \$10.50 as to quantity. Shippers ask around \$8.00 for Jan.-Mar. positions and are booking few orders at present. Prices weak in all directions.

Mercury—Sales of small quantities were made early this week at \$75.00 per flask. On large amounts \$74.00 can be done. Spot stocks are limited and shippers are holding firm at £12 c. i. f. Demand is not active but sellers expect renewed interest in the near future.

Podophyllin—Advanced to \$.25@\$.50lb. Mandrake root is firm but has not changed in price for some time.

Sugar Milk—Both makers and resellers are naming 21c@22c. Demand heavy and stocks not large.

HOFFMANN-LA ROCHE ELECT OFFICERS

At the annual meeting of the stockholders of the Hoffman-La Roche Chemical Works, New York, held recently, Elmer Bobst, general manager of the American company since 1920, was elected treasurer of the corporation. John Henry Miller, president of the Pennsylvania Drug Stores Co., of New York, was elected a director of the company. The figures for 1922 showed a very successful year financially for the company.

Elmer Bobst joined the staff of Hoffman-La Roche in 1910, covering a portion of the Philadelphia territory as a salesman. He soon became in charge of the Philadelphia office and held this position until 1920, at which time he was brought to New York as general manager of the American branch of the company. His election as treasurer comes after two years of management of the whole American business. Mr. Bobst is a graduate of the Philadelphia College of Pharmacy. His home is in Philadelphia.

John H. Miller entered the drug business in Lancaster, Pa., via the retail store. Some ten years ago, the first Pennsylvania Drug Store was opened by Mr. Miller in the Pennsylvania R. R. Terminal in New York. This number has since become four. Mr. Miller is also a graduate of the Philadelphia College of Pharmacy.

The Sterling Products Co., New York, is concluding negotiations for the purchase of the plant and properties of the Charles H. Phillips Chemical Co., 128 Pearl st., New York, for a consideration said to be close to \$5,000,000. The Sterling Co. plans the sale of a stock issue to finance the purchase and proposed extensions and improvements.

G. H. Lynen, of G. H. Lynen Co., 13 William st., New York, returned last week from a four months trip to South America. Mr. Lynen reports South American business conditions greatly improved and believes 1923 will develop better South American trade.

The J. T. Baker Chemical Co., Phillipsburg, N. J., producers of C. P. chemicals, recently increased its capital from \$150,000 to \$500,000, in order to permit expansion in the producing of large quantities of refined products, not necessarily C. P.

New Idria Quicksilver Mining Co. shares brought about 33 cents apiece at the Auction Salesroom, 14 Vesey st., New York, last week. A sale of 1,500 shares, at \$50, was recorded.

MEDICINAL CHEMICALS FOR 1922

(Continued from page 12)

market which was completely independent of the passage of the tariff. At the beginning of the year, wood alcohol, formaldehyde, hexamethylene, and other derivatives were on the down grade. In January, wood alcohol was worth 55c per gallon and formaldehyde 10c per pound. By the beginning of April, formaldehyde was 8½c. June 1st saw a fifty cent alcohol market and formaldehyde was going begging at 7½c a pound in barrels. The failure of two plants during the summer combined with the general cessation of production for some months previous, brought about the upward reaction in September, just preceding the passage of the tariff bill. Alcohol and formaldehyde prices turned about and advanced sharply. The close of the year finds alcohol up to \$1.25 per gallon and formaldehyde at 16c a pound, with both products still scarce and tending higher.

Following the sharp change in tariff rates in September, American manufacturers advanced mercurial preparations three times during the month of October. Early in the year, calomel was 82c and mercuric bichloride 65c. After the advances, however, the former stood at \$1.15, and bichloride at 95c a pound. Bismuth preparations were moved up twice during October for the same reason. Early in the year, bismuth subnitrate was quoted at \$1.75 a pound. After the series of price advances had been completed, \$2.65 a pound was the price, which still stands.

WOOD ALCOHOL NOW CALLED METHANOL

The National Wood Chemical Association adopted a resolution at a recent meeting of the Board of Governors recommending the use of the term "crude methanol" or "refined methanol" in place of "wood alcohol," and sent the following letter to members urging co-operation in effecting the change.

The large number of casualties due to drinking liquor containing Wood Alcohol has for many years directed attention to the necessity of adopting some measures that would remove the danger to human life and surround the use of this product with a greater degree of safety.

One of the most advanced steps in this direction was taken when the American Chemical Society suggested the use of a word which did not contain the word "Alcohol" and that the term "Methanol" be employed. This term has since been used extensively by many large manufacturers, also by the Forest Products Laboratory, the United States Tariff Commission, the Mellon Institute of Industrial Research, and others.

Our Association has given the matter due consideration and at a recent meeting of the Board of Governors adopted a resolution recommending that the term "Wood Alcohol" be discontinued and the term "Crude Methanol" or "Refined Methanol" used hereafter as the case might be. Railroad companies will be requested to make such changes in their classifications and tariffs as they may consider necessary to apply the same rates on shipments of "Methanol" as are now published on shipments of Wood Alcohol, and your cooperation in effecting this change will do much towards accomplishing the desired result.

NATIONAL WOOD CHEMICAL ASSOCIATION,
F. J. Goodfellow,
Secretary.

W. L. Heim, President.
Bradford, Pa., Dec. 22, 1922.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 32

HIGHER COSTS MAY ADVANCE PRICES

Scarcity of Crude Material Also A Factor In Future Quotations—Phenol Derivatives Firmer—Strong Demand for H-Acid and Gamma Acid—Cresylic Acid Still Very Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Benzoic Acid, U.S.P., 3c lb. Cresylic Acid, 15c gal.

Declined
No Declines

	Trend of the Market				Last Year	War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Benzene, C.P. ....gal.	\$.30	\$.30	\$.30	\$.29	\$ 1.10	\$.26	
Naphthalene, flake ....lb.	.06	.06	.06	.07½	.16	.03	
Phenol ....lb.	.35	.35	.35	.11	1.50	.43	
Xylene, 2-deg. ....gal.	.45	.45	.45	.45	..	..
Toluene, pure ....gal.	.30	.30	.30	.30	..	..
Aniline Oil ....lb.	.16	.16	.16	.17	1.40	.10½	
Benzaldehyde ....lb.	.60	.60	.55	.45	..	..
Betanaphthol, dist. ....lb.	.24	.24	.24	.30	1.50	.08	
Paranitroaniline ....lb.	.73	.73	.73	.77	1.85	.08	
Average	0.352	0.352	0.348	0.325	1.25	1.67	

The closing week in 1922 found intermediates and coal-tar crudes in the same firm position which has characterized the market for the last few months. With a short week, buying was routine and confined to small quantities to tide the consumer over until the turn of the year. The outlook for the future is bright in view of the contract business which has been placed and the activity of the textile and other color-consuming industries. Price changes have been lacking, but with the increasing costs of production and the scarcity of crude material, higher prices apparently are in store. Phenol derivatives are much firmer as old stocks become less. Toluidines are stronger due to the continued scarcity of toluene. Dimethylaniline is firm. H-acid and Gamma acid have been in strong demand and prices are tending upward. In coal-tar crudes there is very little change. Phenol has been in slightly less demand with prices at former levels. Cresylic acid is quoted higher on spot. Benzene, toluene and solvent naphtha

are still in small supply and maker's production is sold in advance.

Coal-Tar Crudes

Benzene—There is no such thing as spot supplies and largest producer's output is sold several months in advance. Quotations are unchanged at 27c@32c for 90 per cent as to quantity. C. P. is quoted at 30c@35c per gallon according to quantity.

Cresylic Acid—Available supplies in the resale market were further decreased and quoted at higher prices. Sales of 97-99 per cent have been made at \$1.15 per gallon. 95 per cent is selling around \$1.00.

Naphthalene—Some contract business went on at recent basis of 6c/lb for flake and 7c for balls. Little spot business at 6½c@7c. Crushed is quoted at 5c@5½c and crude at 2½c@3c.

Phenol—Buying has dropped off somewhat, though practically no change has taken place in quotations, which range from 33c@35c/lb in the resale market. Imported U.S.P. is held at 35c@40c.

Toluene—Supplies are still extremely scarce and makers are behind in deliveries. Quotations for future shipment are unchanged at 30c@35c per gallon as to quantity.

Intermediates

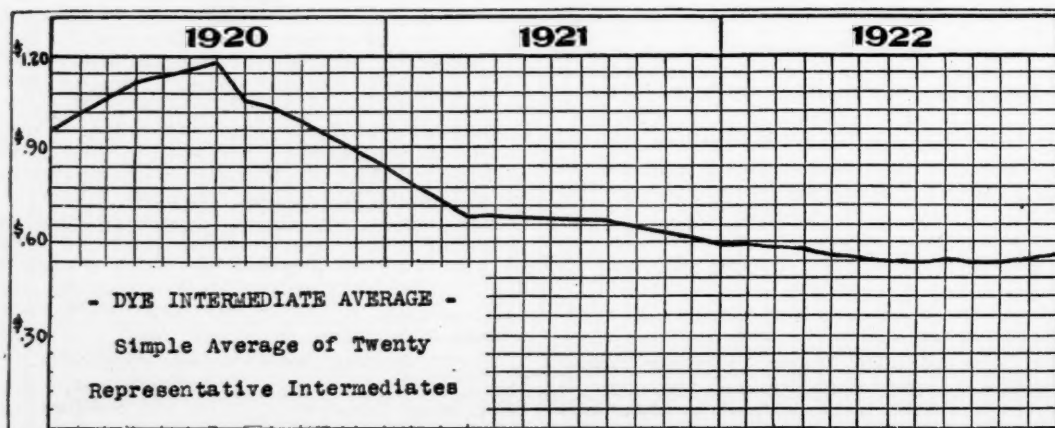
Acid, Anthranilic—Demand was quiet with technical quoted at \$1.10@1.15/lb. Refined is named at \$1.30@1.35/lb.

Acid, Benzoic—Makers are quoting higher prices, with U.S.P. held at 72c@75c. Technical quoted at 65c.

Acid, Gamma—Trading has been confined to small quantities during the week. Demand has been increasing for the past few months, however, and the outlook for the future is good. Quoted at \$1.75@1.85/lb as to quantity.

Acid, H—Has been in steady demand and prices are much firmer. Quotations range from 75c@58c/lb according to quantity and seller.

Acid, Salicylic—High costs of production are keeping prices strong. Technical is named at 37c@38c/lb and U.S.P. at 40c@41c. Resale offerings firm at 35c@37c.



Acid, Sulfanilic—Second hands still offer supplies at 17c, though makers' prices are firm at 20c/lb.

Alpha-naphthylamine—Demand has been steady with makers quoting 28c@29c according to quality.

Aniline Oil—Makers continue to quote 16c@17c as to quantity, the inside price being for tank lots. Demand has been steady with supplies somewhat limited, there being very little in the resale market.

Benzidine—Moving steadily at 85c@87c/lb as to quantity.

Beta-naphthol—Technical is quoted at 24c@26c/lb depending upon the quantity. Sublimed named at 55c@60c.

Diethylaniline—In routine demand at 60c@65c/lb.

Dimethylaniline—Firm at 40c@41c/lb in drums as to quantity. Higher prices are looked for by factors because of the continued advances in alcohol.

Diphenylamine—Quoted at 52c@54c/lb as to quantity by sole maker.

Nitrobenzene—Crude quoted at 9½c@10½c/lb according to quantity. Redistilled at 10c@11c/lb.

Ortho-toluidine—Makers are quoting 16c/lb, though some material is still available in some directions at 14c/lb. Prices are becoming firm as old stocks become lower.

Para-aminophenol—Demand slower due to quiet season in fur dyeing. Makers are quoting \$1.15@\$1.25/lb as to quantity. Hydrochloride at \$1.20@\$1.25.

Para-nitraniline—Fair activity at this time of the year. Quoted at 73c@75c/lb as to maker and quantity.

Para-toluidine—Continues firm at \$1.00@\$1.15 as to seller.

Harry Cole was erroneously stated to be connected with the Barrett Co. in the issue of DRUG & CHEMICAL MARKETS of Dec. 20. Mr. Cole is, and has been for some time past, connected with Baird & McGuire, manufacturers and importers of disinfectant products, of Holbrook, Mass. The fight against the duty on cresylic acid prior to the passage of the Fordney-McCumber Tariff Act was led by Mr. Cole in behalf of the Insecticide and Disinfectant Manufacturers' Association. Any statements to the contrary have been in error.

Directors of the Allied Chemical and Dye Corp. declared the regular quarterly dividend of \$1 a share on the common stock. An increase in the rate to \$1.50 quarterly or \$6 annually had been expected, according to reports in the financial district. The stock declined on 'Change on heavy selling immediately after the dividend announcement.

Edward D. Rice, 78 years old, of the firm of Edward E. Rice & Co. dealers in dyestuffs, Boston was sentenced last week to serve two years in the House of Correction, having waived his exceptions on which he intended to take the case to the Supreme Court. He was charged with larceny of about \$300,000 from banks by means of a false statement as to his financial condition.

Dr. G. P. Metz, brother of Col. Herman A. Metz, of H. A. Metz & Co., manufacturers and importers of dyestuffs, and Dr. E. R. Pickerell of the same concern, will sail on the White Star liner Majestic for Europe on Jan. 6, for a six or eight weeks stay, during which they will visit France, Germany and England.

DYE TARIFF RULINGS NEARLY READY

As a result of meetings held last week at the Appraiser's Stores, in New York, between officials of the Customs Bureau and representatives of American manufacturers, manufacturer-importers, and importers of dyestuffs, a committee was appointed to meet at the Appraiser's Stores, Wednesday, Jan. 3, to further discuss the tentative regulations for importations under section 27 and 28 of the tariff bill. Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association, was the principal spokesman for the manufacturers in these conferences, and Dr. E. R. Pickerell of H. A. Metz & Co. represented the importers. It was suggested at the meeting last Friday that representatives of consumers of dyestuffs be asked to sit in the conferences as their aid would be invaluable to the customs officials in arriving at a decision.

Tentative regulations have been prepared by experts of the Customs Service for importations under the dyestuffs and chemical sections. These regulations have been prepared as the result of the past three years' experience and they have been drafted by those who have been in close touch with the dyestuff situation. They will be put in the hands of the Chief of the Customs Service this week for his action. A conference will be held with dye manufacturers and importers before the permanent regulations are made public.

GERMAN DYES SUPPLANT BRITISH IN INDIA

Major H. A. Chisholm, Canadian Trade Commissioner to India, in a review of Indian foreign trade for the six months ending September, 1922, reports that imports of such chemicals as magnesium and soda compounds, sodium carbonates and disinfectants, are growing in volume and amounted in value to over \$3,000,000 for the six months.

The value of proprietary and patent medicines imported during the six months amounted to over \$300,000. Two or three Canadian brands are known in India. There is a market for any particularly cheap patent medicine.

The German dyes now have 80 per cent of the Indian market and British dyes have almost disappeared.

Imports of calcium carbide are increasing in volume, and 700 tons were imported during the six months April to September. Canadian carbide is making good headway in competition with Norwegian and Japanese, and many of the railways have officially adopted the Canadian product.

U. S. DYESTUFFS LEAD IN CANADA

The monthly report of the trade of Canada for October gives the value of imports of dyeing and tanning materials as follows: From Britain, \$18,482; United States, \$225,634; other countries, \$59,840; total, \$303,956; compared with imports from Britain, \$15,849; United States, \$278,118; other countries, \$38,643; total, \$232,610, in October, 1921.

Imports of aniline and coal-tar dyes included in the above were: From Britain, 38,790 lbs, value \$15,067; United States, 163,763 lbs, value \$102,348; Germany, 3,925 lbs, value \$6,410; Netherlands, 24,321 lbs, value \$23,131; Switzerland, 15,386 lbs, value \$14,157; other countries 10,330 lbs, value \$9,868; total, 256,515 lbs, value \$170,081; compared with imports from Britain 18,692 lbs, value \$14,544; United States, 157,111 lbs, value \$127,890; Germany, 7,486 lbs, value \$32,257; Netherlands, 1,000 lbs, value \$371; Switzerland, 6,168 lbs, value \$6,010; total 190,457 lbs, value \$181,072 for October, 1921.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 47

OILS STRONGER OWING TO SCARCITY

Chinawood Oil, Refined Peanut Oil and Rapeseed Oil Higher—Lard and Tallow, Animal Oils and Fish Oils Firm—Makers Advance Red Oil and Stearic Acid

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Chinawood Oil, $\frac{1}{2}$ c lb.	Lard, $\frac{1}{2}$ c lb.
Peanut Oil, $\frac{1}{2}$ c lb.	Red Oil, $\frac{1}{2}$ c lb.
Corn Oil, $\frac{1}{2}$ c lb.	Stearic Acid, $\frac{1}{2}$ c lb.
Cottonseed Oil, $\frac{1}{2}$ c lb.	Turpentine, 10c gal.
	Rosin, 10c@15c unit

Declined Oleo Oil, No. 1, $\frac{1}{2}$ c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.61	\$.61	\$.60	\$.45	\$ 1.27	\$.86 $\frac{1}{2}$
Degras, American, bbl. lb.	.04 $\frac{1}{2}$	.04 $\frac{1}{2}$	.04 $\frac{1}{2}$	.04	.25	.03 $\frac{1}{2}$
Lard, No. 1.....gal.	.79	.79	.79	.67	2.90	.92
Menhaden, crd. bbls.....gal.	.50	.48	.48	.35	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.35	1.35	1.35	1.25	3.45	.96
Red Oil, distilled.....lb.	.10 $\frac{1}{2}$	.10	.10	.07 $\frac{1}{2}$	.17	.07
Stearic Acid, T.P.....lb.	.13	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.10 $\frac{1}{2}$	.33	.12
Coconut, Ceylon						
Dom., bbls.....lb.	.08 $\frac{1}{2}$	.09	.08 $\frac{1}{2}$	.08 $\frac{1}{2}$	.20	.14
Cottonseed, crude, tanks lb.	.09 $\frac{1}{2}$	.08 $\frac{1}{2}$	.08 $\frac{1}{2}$	.07	.25	.08
Linseed, carlots.....gal.	.90	.90	.87	.67	1.88	.87
Olive, denatured.....gal.	1.15	1.15	1.15	1.15	4.50	1.08
Peanut, refined.....lb.	.16	.14 $\frac{1}{2}$	.12 $\frac{1}{2}$	.11	.30	.08
Soya Bean, bbls.....lb.	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.09	.19 $\frac{1}{2}$	.07
Average	0.466	0.462	0.462	0.399	1.30	0.362

Scarcity of supplies in a number of oils and the strength of the cottonseed oil market have had a stimulating effect upon the market. Considerable interest is being shown in chinawood oil. Recent reports from the Orient have had a bullish effect and prices have advanced. Refined peanut oil is in scant supply and holders are asking higher prices. Rapeseed oil is higher. Linseed oil is firm on spot but future positions are easier. Animal oils have regained strength on increased demand and shortage of supplies. Lard and tallow are firm and higher. Makers have advanced red oil and stearic acid owing to higher costs of production. Fish oils are scarce and holders are firm in their views. Turpentine and rosin advanced during the week on increased demand and growing scarcity of stocks.

Vegetable Oils

Castor Oil—Little change in the situation with No. 1 quoted at 12 $\frac{1}{2}$ c@12 $\frac{3}{4}$ c in barrels. No. 3 named at 11 $\frac{3}{4}$ c@12c.

Chinawood Oil—Increased buying has been noted while stocks are somewhat limited. Quotations are at higher levels with spot oil held at 13 $\frac{3}{4}$ c@14c. January-February forward in tanks named at 13 $\frac{1}{2}$ c. March-April forward at 13 $\frac{3}{4}$ c.

Coconut Oil—The market is firm due to the recent strength in vegetable oils. Ceylon in barrels New York quoted at 8 $\frac{3}{4}$ c@9c. Cochin firm at 9 $\frac{3}{4}$ c@9 $\frac{7}{8}$ c. Manila in tanks at coast named at 7c@7 $\frac{1}{4}$ c. Edible on spot at 10 $\frac{3}{4}$ c@11c.

Cottonseed Oil—Considerable interest was shown in the market and the week closed firm with increased buying in crude and refined oil. The year closed with spot quoted at 10.50c. January at 10.63@10.66; February, 10.69@10.70; March, 10.81@10.82; April, 10.85@10.93; May, 10.95@10.97; June, 11.00@11.05; July, 11.07@11.10. August, 11.10@11.20. Crude at mills 9c@9 $\frac{1}{4}$ c.

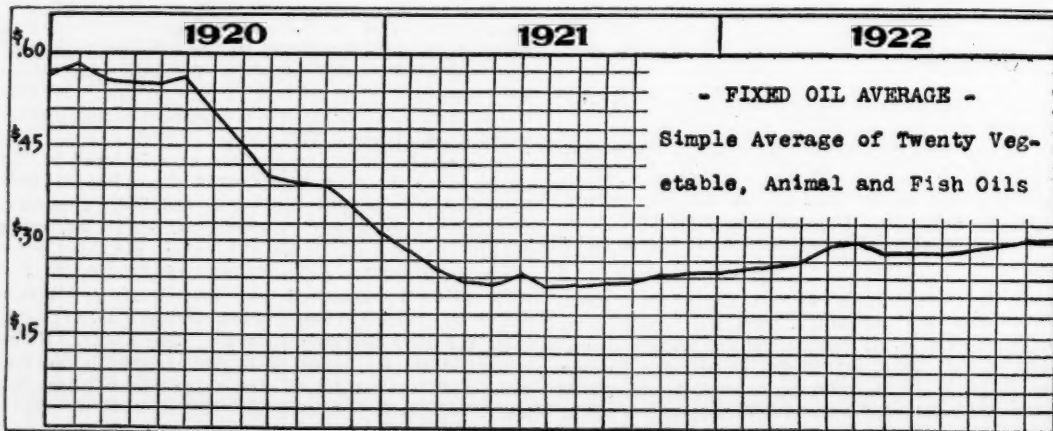
Linseed Oil—Crushers continue to name 90c per gallon for spot oil and January at 87c. February named at 86c, March 85c and April at 84c. London linseed oil is firm at 90s per quintal. Duluth cash flaxseed at \$2.62; December, \$2.62 $\frac{1}{2}$; January, \$2.62 $\frac{1}{2}$; May, \$2.44; July, \$2.44. Winnipeg, cash, \$2.09 $\frac{1}{4}$; December, \$2.10 $\frac{1}{2}$; May, \$2.09 $\frac{3}{4}$; July, \$2.08. Buenos Aires, February, \$1.63 $\frac{1}{2}$.

Olive Oil—Only moderate interest is being shown and the market is generally quiet. Denatured is being held at \$1.15@\$1.17 per gallon. Edible at \$1.75@\$2.20 as to grade. Foots are quiet at 9c@9 $\frac{1}{4}$ c.

Peanut Oil—Scarcity of stocks have made the market strong and refined is being quoted at 16c@16 $\frac{1}{4}$ c. Crude in buyers' tanks at mills named at 12c@12 $\frac{1}{2}$ c.

Rapeseed Oil—Refined in barrels New York is quoted higher on scarcity of supplies. Held at 83c@85c per gallon. Blown quoted at 98c@\$1.00.

Soya Bean Oil—The primary situation is strong with supplies not abundant and shipping facilities poor.



Crude in tanks at Coast held at 9c@9½c in tanks. In barrels New York at 10½c@11c. Refined on spot 12¾c.

Animal Oils

Lard Oil—Quotations held steady with demand along moderate lines. Prime edible quoted at 15c@16c. Extra, 13¾c. Extra No. 1 at 12½c. No. 1, 11¾c. No. 2, 11¼c.

Oleo Oil—The market is slightly easier with No. 1 quoted at 13¾c@13¼c. No. 2 named at 10½c@10¼c. No. 3 at 9½c@9¼c.

Red Oil—Makers have advanced both distilled and saponified and are now quoting 10½c. Higher costs of raw materials is stated to be the reason for the advance.

Stearic Acid—Higher prices are quoted for all grades by makers. Single pressed at 11c and double pressed at 11¾c. Triple pressed saponified at 13½c and distilled at 13c.

Fish Oils

Cod Oil—Supplies are somewhat limited and holders are asking 60c@61c per gallon for Newfoundland in barrels. New York in tanks held at 58c@59c.

Menhaden Oil—Supplies are low on the primary market and holders are naming 50c per gallon in barrels.

Naval Stores

Turpentine—Increased buying and slow movement from the woods sent price upward. The year closed with spirits held at \$1.47 in barrels ex yard.

Rosin—There was a steady demand throughout the week and quotations advanced gradually. B, \$6.20; D to I, \$6.30; K, \$6.50; M, \$6.75; N, \$6.90; WG, \$7.50; WW, \$8.00.

NO OFFERS FOR OLIVE OIL

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, France, Dec. 23.—The market for olive oil continues quiet for want of offers. Quotations per 100 kilos are:

	Francs
Sousse, extra, new	475@485
Tunisie, new	430@460
Tunisie, old	390@400
Algerie, new	385@425
Borjas	450@470
Lampantes, Algerian	350
Lampantes, France	250@270
Oil from pulp	200@220

Genoa, Italy, Dec. 23.—The following are the quotations per 100 kilos on olive oil; Riviera Ponente fino, lire 800 to 810; Bari extra, lire 700 to 710; Bitonto extra vecchio, lire 710 to 720; Molfetta extra, lire 710 to 715; Calabria extra, lire 700 to 705; Sardegna fino, lire 600 to 625; Toscana fino, lire 710 to 720; Abruzzi fino, lire 650 to 670.

Among other commodities, vegetable oils, soaps, paints and chemicals are affected by a presidential decree dated Dec. 1, 1922, which modifies the French import duties on a number of commodities by changing the coefficients by which the basic duties are increased. Most of the changes are by way of reductions from the import duties hitherto collected. Goods dispatched direct to France before December 2 may be admitted at the former rates of duty if these are more favorable.

The Johnson Waterproof Glue Co. has been incorporated at San Francisco with a capital stock of \$100,000 by C. A. Stockfleth, E. Becsey and L. B. Thomas.

Oil Trade Notes

One of the largest herring plants on the coast of British Columbia is under construction at Vancouver, B. C. by the Maritime Fisheries, Ltd., and will be ready for next season's fishing.

A plant for pressing oil from native linseed and a factory for making varnish have recently been established in New Zealand according to Consul Moran's report to the Department of Commerce.

The R. F. Johnson Paint Co., of Cincinnati, has declared the regular quarterly dividends of \$1.75 per share on its 7 per cent preferred stock and \$2 per share on its 8 per cent preferred stock, payable Jan. 1 to stock of record Dec. 31.

The export duty of £2 sterling per ton on palm kernels in Gambia, British West Africa, has been removed by an ordinance No. 16, September 30, 1922. The tax was imposed March 22, 1920 and originally provided that the tax should remain in force for a period of five years.

Though the flax area of the United States, Argentina and British India was larger this year than last, the total production of flaxseed for the three countries for 1922 is estimated at only 61,357,000 bushels as compared with 69,382,000 bushels in 1921. The decrease is caused by the low yield in Argentina.

The copra production of Portuguese East Africa for 1922 is expected to amount to 12,000 tons, an increase over last year of 2,000 tons. The increase is attributed to young trees coming into bearing. It is estimated there are 7,000,000 trees in Portuguese East Africa, of which 2,716,047 are on estates of organized companies.

One of the initial steps to be taken by the Olive Oil Association of America, Inc., to educate the public regarding their product and boost sales generally, will be to compel the makers of mayonnaise and salad dressing in which olive oil is not used to state so on the labels of their products. This decision was arrived at during a meeting of the association recently at the Mercantile Exchange.

Trade in vegetable oils in the Far East is gradually being transferred from Kobe, Japan, to Dairen, Tsingtao and other ports nearer the points of origin, according to a Department of Commerce report. Stocks are said to be low at the ports and interior points, only 63,000 tons as against 170,000 tons last year. This year's soya bean crop is expected to be from 20 to 30 per cent larger than the crop last year, which amounted to 1,800,000 tons.

A new product known as "sealite" has been developed by the Standard Oil Co. of New Jersey to prevent evaporation losses in oil storage tanks. Sealite is a chemical solution in which glycerin, glucose and glue are the basic chemicals. In its first state it has the appearance of brown molasses, with a weight of about eleven pounds per gallon. After going through a compressed air mixer, sealite becomes a rich cream colored foam with a weight of four and one half pounds per gallon. Application is made by pouring the foam through the vent holes in the roof of the tank, after which it spreads over the whole surface. The patents on the process have been granted in the names of F. A. Howard, Dr. Robinson, J. M. Jennings and G. G. L. Kent, members of the development department of the Standard Oil Co.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, Page 49

SPOT CLOVES REDUCED FIVE CENTS

Arrival of Considerable Spice Softened Market—Cascara Sagrada Easier—Numerous Crude Drugs Cheaper as Scarcities Are Relieved—Licorice Bundles, Henbane Leaves, Caraway and Quince Seeds Lower—Peru Balsam Up—Culver's Root Practically Off Market—Shellac Rising

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Belladonna Root, 1c lb.	Gambier Gum, 1/4c lb.
Culvers Root, 10c lb.	Peru Balsam, 10c lb.
	Shellac 2c@5c lb.
Declined	
Benzoin Gum, Sumatra, 7c lb.	Henbane Leaves, 10c lb.
Cannabis, true, 25c lb.	Larkspur Seed, 1c lb.
Caraway Seed, 1c lb.	Licorice, bundles, 1/4c lb.
Cascara Sagrada, 1/4c lb.	Quince Seed, 5c lb.
Cloves, 5c lb.	Senna, Alex., 2c lb.
Guaicac Gum, 5c lb.	Turpentine, Venice, 3c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$..	\$..	\$..	\$..	\$2.22	\$90
Buchu Leaves, Short	1.10	1.10	1.05	1.08	4.00	.85
Cantharides, Russian	2.00	2.00	2.40	2.50	9.00	2.10
Cocculus Indicus	.03 1/2	.03 1/2	.03 1/2	.06 1/2	.85	.03
Ergot, Spanish	.60	.60	.60	1.03	4.50	.54
Insect Powder, pure	.70	.70	.65	.42	1.00	.28
Ipecac, Cartagena, pwd.	1.70	1.70	1.70	1.60	4.80	1.35
Nux Vomica	.07	.07	.07	.10	1.45	.07
Opium, gum	6.75	6.75	6.75	5.50	30.00	5.00
Rhubarb Root, H. D.	.45	.45	.45	.50	1.75	.15
Tragacanth, No. 1, ribbon	1.80	1.80	1.80	2.50	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.09	.09	.21	.07
Average	1.35	1.35	1.36	1.36	5.28	1.00

A fairly steady demand for small quantities of various crude drugs continued in the market. The trading was well distributed and, while the week was not a large one, activity was reported in all quarters. Considering the break made by the holiday, coupled with the general reduction of stocks prior to inventory taking, the trade is well satisfied. Many large orders are reported booked for delivery during the current month, and most factors expect buyers to become even more active than before the holiday slump. Several items are in better supply and prices are correspondingly lower. Cloves, caraway seed, cascara, henbane leaves, quince seed, licorice and larkspur seed are cheaper. Peru bal-

sam is again higher. Shellacs are firmer, Culver's root is high and hard to obtain. Venice turpentine is easier. Alex. senna is offered lower. Benzoin gum was reduced.

Aconite Root—None obtainable on spot. For shipment from 35c to 40c is quoted. Some to arrive in four weeks 40c.

Althea Root—Cut goods can be had at 13c inside.

Belladonna—Lot of leaves offered at 17c@18c as to quantity. Scarce here. Root hard to get and higher at 12c@13c lb.

Benzoin Gum—Sumatra stocks larger and prices reduced. Available at 38c@40c lb.

Buchu Leaves—Firm and have upward tendencies in some quarters. Quoted at \$1.10 for bales and \$1.12@ \$1.15 for less.

Burdock Root—New lot offered at 27c. To arrive within week, 25c.

Cannabis—True easier at \$5.75. Practically no demand. No assay goods inside at 90c. U.S.P. American \$1.50@ \$2.00.

Cantharides—Russian whole soft at \$2.00@ \$2.10; powder \$2.75 inside. Chinese \$1.10; powder \$1.30.

Caraway Seed—Cheaper at 30c@31c lb. Continues high for shipment and is not plentiful on spot.

Cascara Sagrada—Spot off to 13 1/2c@14c lb. as new crop is coming forward. For Jan. 15 new peel arrival 13c is quoted.

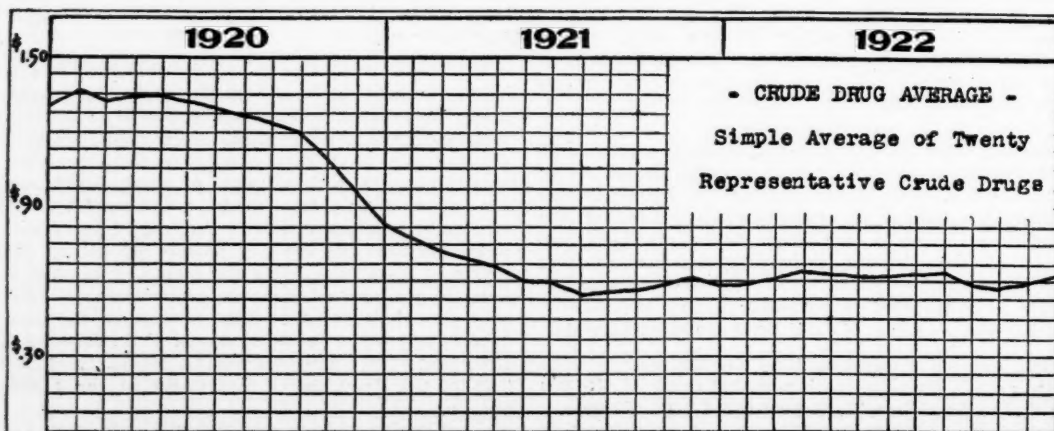
Chamomile Flowers—Roman goods closely held and stocks are short. Principal holder is asking \$1.25 but is bullish treat. Hungarian goods continue weak at 19c.

Cloves—Spice arriving regularly but not in large quantities. Considerable material is nearby, however, and spot price is down to 26c@27c lb. Goods for arrival this month quoted down to 20c, as to quantity.

Colocynth Pulp—Offered at 40c.

Culvers Root—Very little to be had and price is up to 75c lb.

Elecampane Root—To arrive, 8 1/2c is named. Spot 9c@10c lb.



Ergot—Some holders have advanced to 62c inside but plenty can be had at 60c. Firmer, however, and likely to advance in some quarters.

Fennel Seed—Spot French goods practically off the market. To arrive, 28c@30c is asked. German scot 17c@18c.

Gambier Gum—Again higher at 10c@10½c.

Hellebore—Powdered white firmer at 16c@17c. Current demand nil but there is some contracting for spring delivery.

Henbane Leaves—Lot in, offered at 40c@42c.

Insect Flowers—Powder held strongly at 70c@75c. with 50 per cent at 40c@42c. Inside shipment quotation on mixed open and closed flowers 55c c.i.f. Contracting continues heavy.

Larkspur—Seed—Additional supplies in market and price is easier at 39c@41c.

Licorice—Bundles in better supply and cheaper at 17½c@22c. Cuttings 7½s@8c, powder and whole 9c@10c. Some Russian whole at 8¼c@8½c.

Linden Flowers—Goods without leaves in market again. Offered in one quarter at 48c and held by another seller at 60c. With leaves 22c@24c.

Lycopodium—Demand continues fair but stocks large. Price weak at 50c@52c.

Mastic Gum—Softer at 45c@48c. Shippers' ideas lower.

Peru Balsam—Advanced to \$2.10. Good demand.

Quince Seed—Cheaper on spot. Now obtainable at \$1.60@\$1.65lb. with goods to arrive at \$1.50. Goods in better supply and demand has fallen off somewhat.

Rhubarb—Weak at 45c for whole and 50c for powder.

Saffron Flowers—Lot of Valencian flowers released and quoted at \$34.00@\$35.00 for spot delivery. American \$1.40.

Senega Root—One seller offered at 73c during week but reported no takers. Generally held at 73c inside.

Senna—Alexandria whole goods cheaper at 30c@32c lb. Other grades unchanged and in routine request.

Shellac—All grades firmer and some higher. T. N. advanced to 77c@78c, powdered regular to 85c@90c, and regular bleached to 78c@80c. D. C. and V. S. O. practically nominal at \$1.00. Superfine orange and bone dry unchanged at 82c@84c and 90c@92c, respectively. Likely to continue in this direction until new crop prices come through in February.

The Druachem Club of New York held an "open house" on Thursday afternoon, Dec. 28, at the club quarters, 160 Pearl st. About a hundred members were present for lunch and spent the afternoon at the club. The committee in charge of arrangements consisted of Ed Lewis and William Barry of the Mallinckrodt Chemical Works., Ben Spencer of B. M. Spencer & Co., and George Huisking of Chas L. Huisking, Inc.

A. E. Mealy, president of Gilbert Bros. & Co., wholesale druggists, Baltimore, died Dec. 23 after an illness of only a few days. Mr. Mealy was born in West Virginia about sixty years ago. He had served a term as president of the Drug Exchange. He was a Mason of high rank. He is survived by a widow.

Stock and fixtures belonging to the Cason & Tacker Drug Co., Jacksonville, Ala., were sold at public auction on Dec. 15, by the trustee in bankruptcy.

SEIZE 1,000 FAKE PRESCRIPTION BLANKS (Special to Drug & Chemical Markets)

Washington, D. C., Jan. 3.—Drug stores of Washington are "among the best in the country" in the observance of the code regulating sale of liquor on prescription. That, said Dr. Paul Pearson, secretary of the Retail Druggists' Association of Washington, is a statement made to him recently by a field operator of the prohibition department. The statement by Dr. Pearson was elicited by the warning issued recently by Col. L. G. Nutt, acting chief general prohibition agent, to druggists against filling fake prescriptions.

Col. Nutt said the warning was meant simply to keep the druggists out of trouble and to warn them that filling prescriptions known to be counterfeit is a violation of their license and lays the license liable to revocation. He further declared the druggist should be able to detect the counterfeit, as those prescriptions that are genuine are engraved on special paper.

The warning was issued because of the seizure recently by the police of more than 1,000 alleged counterfeit physician's prescription blanks, and it is believed these fake blanks are prevalent in the city.

ARGENTINA RULING ON NARCOTICS

Beginning Feb. 4 the importation into Argentina of opium and its derivatives, Indian hemp, heroin, cocaine and its salts and derivatives may be effected only through the port of Buenos Aires, according to a report from Commercial Attache Feeley, at Buenos Aires. Customs officials have been ordered by executive decree not to permit the clearance of any of these drugs without official authorization of the National Hygiene Department. Such products may be imported only by wholesale and retail druggists for medicinal and scientific purposes, after proof to the department that the importer is a druggist, accompanied if necessary by a certificate from the provincial authorities to that effect. Importation of the drugs by individuals was prohibited from November 6, the date the decree was issued.

Increased efficiency in the detection of violations of the narcotic laws rather than increased use of narcotics is given as the cause of a 22 per cent jump in prosecutions under the Harrison Act in 1922 in Baltimore, according to local Federal authorities. The increase came during the fiscal year ended June 30, 1922, when 111 cases were initiated and 109 terminated in the local court, as against 89 and 73 cases, respectively, in the previous year.

The monthly report of the Trade of Canada for October gives the value of imports of drugs, medicinal and pharmaceutical preparations at \$202,916. Products worth \$81,813 were from Britain, \$84,235 from the United States and \$36,868 from other countries, compared with total imports of \$238,728. Products worth \$66,957 were from Britain; \$133,741 from the United States and \$38,030 from other countries in October, 1921.

The Standard Pharmaceutical Corporation, Dr. N. A. Springer, president, will manufacture a general line of pharmaceutical preparations at 417 W. Conway street, Baltimore.

Brooklyn, N. Y., has 186 manufacturers of drugs and chemicals, according to a report by the Chamber of Commerce.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 53; Aromatic Chemicals, page 54

OIL CITRONELLA ADVANCED AGAIN

Shippers Holding for High Figures—Italian Lemon and Orange Weaker Here and Abroad—Artificial Mustard Scarce and Sharply Higher—Clove Oil Tending Lower—Sales Confined to Small Quantities and Are Well Distributed—Tansy Cheaper

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined		Trend of the Market	
	Today	Last Week	Today	Last Week	Today	Last Week
Oil Citronella, 2c lb.	\$3.00	\$3.00	Oil Mustard, artif., 50c lb.	\$3.10	\$5.00	\$7.00
Oil Lemon, 5c lb.	2.00	2.00	Oil Orange, sweet, 5c lb.	2.25	2.25	3.70
Trend of the Market						
	Today	Last Week	Today	Last Week	Today	Last Week
Oil Bergamot	\$3.00	\$3.00	\$3.10	\$5.00	\$7.00	\$5.00
Oil Citronella, Ceylon	.57	.55	.48	.42	.92	.60
Oil Cloves	2.00	2.00	2.25	2.25	3.70	1.40
Oil Lemon	.65	.70	.70	.65	1.70	2.00
Oil Peppermint, Nat.	3.00	3.00	2.60	1.70	9.00	2.25
Oil Sandalwood, E. I.	7.00	7.00	6.75	7.25	13.00	5.25
Oil Sassafras, Artif.	.42	.42	.42	.50	1.00	.26
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.25	3.15	1.50
Coumarin	4.00	4.00	4.00	3.75	31.00	3.10
Methyl Salicylate, Cans.	.57	.57	.52	.40	1.00	.90
Vanillin	.45	.45	.45	.55	.95	.29
Average	2.08	2.08	2.05	2.18	6.83	2.05

Although the New Year holiday created a lull in the middle of the week, sellers are generally satisfied with the volume of business transacted. Few large orders were in the market and the jobbing wants were fairly well distributed. The 1923 outlook is healthy. Buyers will doubtless be active from the first and numerous contracts have been placed for early delivery. Prices appear in better condition than for some time previous, although there are still items which are either higher or lower than they should be normally. Citronella is at present the most active of the oils and has advanced again. Lemon and orange are soft and cheaper. Tansy is down. Wormseed and peppermint have apparently reached their highest points. Clove oil is likely to ease off with additional spice arrivals. Artificial mustard stocks are temporarily short and price is up. Aromatic chemicals are quiet with price schedules liable to change in the near future.

Essential Oils

Oil Almond—All grades dull. Sweet generally 40c@42½c. In trade 37½c was paid during the week. Bitter goods \$3.75@4.00.

Oil Bergamot—Price ought to be higher as trade is paying around \$2.95, but weak sellers will take \$3.00 to move stocks. Up to \$3.25, as to seller, is asked.

Oil Bois de Rose—Extra quality selling up to \$3.00 but \$2.30 can be done. Quality range prevails.

Oil Caraway—Unchanged at \$6.25@6.50. Spot stocks small but demand is limited to wholesale druggists. No crude oil offered.

Oil Cassia—U.S.P. firm at \$2.15@2.25lb. Technical oil not available. Shippers continue high and spot stocks are not large.

Oil Citronella—Has advanced to 57c@59c for spot drums. Tins at 59c@61c. Spot holdings limited. Shipment figures equal to spot quotations. Cables carry 57c c.i.f. as inside. Java stocks light and drums firm at 80c inside.

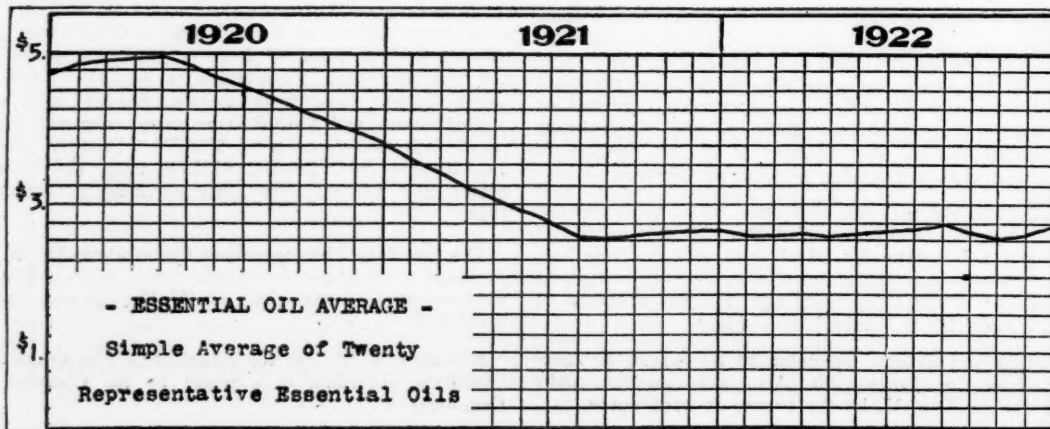
Oil Cloves—Goods not available in large quantities but cheaper spice is arriving. Quoted at \$2.00@2.10 in cans and \$2.10@2.20 in bottles. Weak thereat. Spot spice is selling at 26c but material to arrive this month is selling at 20c.

Oil Geranium—African shippers cabling prices which would amount to \$8.00 for goods laid down New York. Spot price is now \$8.50@9.50lb. Bourbon oil of good quality is scarce and commands from \$7.00 up. Offers of material as low as \$5.25.

Oil Hemlock—None to be had here or in country.

Oil Lemon—Eased off to 65c inside in some quarters. Ranges to 80c as to quantity and seller. Stocks are large, market in Italy is soft, and consumers are inactive.

Oil Mustard—American makers are not delivering and supplies of foreign material are low. Price has been advanced sharply to \$3.00 inside on bottles. Lots of 100lbs cannot be had except at a premium. Replace-



ments nearby, however, and condition is reported only temporary.

Oil Orange—Quiet and weak on spot and at producing centers. Both West Indian and Italian sweet oils cheaper at \$2.20@2.35 and \$2.30@2.50, respectively. Bitter \$1.90. American \$2.70.

Oil Peppermint—Large quantity offered from country at \$2.85 and holder asked city seller to submit bid for goods. Believed in some sections that this oil is due for a slump. Spot goods held at \$3.00 for natural and \$3.25 for redistilled. Buying has fallen off somewhat here and city sellers have ceased their activity in country.

Oil Sandalwood—Generally held at \$7.00 inside but lower prices are reported possible in some quarters. Shippers are firm in their views but exchange has weakened.

Oil Tansy—Again cheaper on spot and in country. New oil reduced to \$7.50@8.00lb.

Oil Wormseed—Can be had in New York at \$3.90 inside. Ranges to \$4.25 as to quantity and seller. Country holders are adopting an easier tone.

Aromatic Chemicals

Lots of material imported before the tariff went into effect are in outside hands and are depressing the market. In many instances replacement costs are higher than spot values. The situation is gradually working itself out, however, and should be back to normal in the near future. In the meantime buyers are marking time and are taking stocks only in small quantities and as they are needed.

Diethylphthalate—Demand has fallen off as the large use of this material as a denaturant has been eliminated. Can be had at 85c@90clb.

Methyl Salicylate—Firm following last week's advance to 55c in drums and 57c in cans. Small resale lots offered at 52c@55clb. Heavy demand continues but phenol has ceased to move upward. Wood alcohol is tending to higher levels, however, and might carry methyl salicylate in the same direction.

Phenylethylalcohol—American made goods can be had down to \$7.00lb. Ranges to \$9.00 as to quantity. Importers ask \$12.50.

Terpineol—Consumers active and prices firm. C. P. in drums at 50c@55c, cans 55c@60c. Imported material held at 70c inside.

COTY GETS MONTREAL INJUNCTION

A temporary injunction has been issued by Judge Duclos in the Superior Court, Montreal, in the suit of Francois Coty, perfumer and manufacturer of toilet articles of Swiesnes, France, to prohibit Paul E. Bergeron of Montreal, from selling, advertising, or offering for sale goods under the name of "Coty." Bergeron was also ordered to give a bond of \$2000 to guarantee costs of a suit for damages on a claim of infringement of copyright.

The Prohibition Commissioner says he believes that John D. Appleby was misquoted in a recent statement attributing to him a declaration that 95 per cent of all denatured alcohol released in New York City for the manufacture of toilet articles was being diverted to the illegal manufacture of liquor.

Clove spice is beginning to filter into the market and numerous shipments are reported at nearby positions. Orders for future shipment have been booked as far ahead as April. A sale of 150 bales for January delivery, at 20c, as reported.

Essential Oil Notes

A law is now in effect in Germany which prohibits the importation or sale of foodstuffs which contain artificial flavoring substances less nutritious but sweeter than pure cane or beet sugar.

J. G. Siarri, manager of the Paris office of Morana, Inc., who arrived in the United States early last month, expects to return to France within the next two weeks. He is accompanied by his wife.

Imports of essential oils were rather light during the week. Lemon oil is arriving regularly, 200 cases being received. Seventy cases of oil cassia and 50 cases of anise were the only other receipts of note.

C. W. Kuechler, senior partner of C. W. Kuechler & Co., Trieste shippers of crude drugs and essential oils, who has been in New York for the last three months on business, will return to Europe about the middle of January.

Less peppermint oil was exported in 1921 than in any year since 1891. Only 50,425 lbs. were shipped out. Official reports show that 1915 was the biggest year in point of tonnage, 184,981 lbs. being exported, and that oil sold in 1920 cost the most, as \$677,605 was realized on 90,205 lbs.

Ungerer & Co., Inc., New York City essential oil house, entertained several of their branch office managers during the latter part of December. The men were called in for a general get-together and plans were made for the ensuing year. Among those present were C. L. Iorns, St. Louis; Edward Trippe, Philadelphia; L. H. Carlson, Detroit, and Harry J. Ahles, Chicago.

Perfume will be marketed in small ten-cent packages, through vending machines, by the Napola Products Co., Inc., 233 Broadway, New York City, recently organized. Experiments have been conducted in various public places and it is reported that they were uniformly successful. Officers of the company are E. T. Browne, president; L. A. Van Dyk, secretary and treasurer, and H. W. Jenniss, vice-president.

ITALIAN ESSENTIAL OILS HIGHER

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Dec. 23.—After several weeks of dullness, better prices can be obtained for essential oils, both of the old and new harvests. Offers for lemon juice having less than 4 per cent of citral are lire 0.50 below those for the stronger product.

The following table shows the price fluctuations during the last six weeks:

	Nov. 1	Nov. 8	Nov. 15	Nov. 22	Nov. 29	Dec. 6
	Lire	Lire	Lire	Lire	Lire	Lire
Lemon juice	6.75	6.50	6.40	6.25	6.25	6.50
Sweet orange	27	27	25.50	24.50	22.50	23
Bitter orange	24	24	23.50	23.00	22.75	24
Mandarine	40	40	40	40	40.45	40
Bergamot oil	47	47	46	45	39	45

TOILET GOODS MAKERS PLAN BIG DINNER

The Perfumery, Soap and Allied Industries of New York entertainment committee is considering plans for the biggest dinner in the history of the association. It is rumored that the number of speakers will be curtailed and entertainment features added. The date and program will be announced in the near future.

Attendance at the dinner held last Thursday, Dec. 28, at the Knickerbocker Grill, was small owing to the unfavorable weather. Speaking was limited to one half hour, the remainder of the evening being given over to vaudeville.

The Consuming Industries

U. S. MILL EXPANSION CONTINUES

Mills throughout the country are certainly not lacking in confidence that business has returned to a healthy plane. Various concerns are building new factories and others are re-modeling old ones and adding machinery to increase production. Capital additions, for the purpose of expansion, are reported in all sections. Mills which have lately effected changes or are contemplating increasing their production facilities are as follows:

Montgomery Cotton Mill, Montgomery, Ala., J. W. Sanders, Gen. Mgr., installing 4,000 additional spindles. Kincaid Mfg. Co., Griffin, Ala., considering placing 1,200 new spindles.

J. M. Odell Mfg. Co., Bynum, N. C., will add machinery.

Cabarrus Cotton Mills, Kannapolis, N. C., increased capital from \$3,000,000 to \$4,000,000.

Kesler Mfg. Co., Salisbury, N. C., increased capital from \$500,000 to \$1,500,000.

Erwin Cotton Mills, West Durham, N. C., increased capital from \$5,000,000 to \$10,000,000.

Knoxville Cotton Mills, Knoxville, Tenn., L. D. Tyson, pres., will increase capital to \$400,000.

Forster Textile Mills, Chicago Heights, Ill., to double size of mill by \$40,000 building to be ready Feb. 1.

Southwell Wool Combing Co., North Chelmsford, Mass., recently incorporated with capital of \$200,000, is building a one-story mill addition.

Rochambeau Worsted Mills Co., Providence, R. I., has built new plant.

United Hosiery Mills Co., Chattanooga, Tenn., G. H. Miller, pres., plans \$50,000 improvements for 1923.

Darlington Textile Co., Pawtucket, R. I., is erecting a \$30,000 addition to its mill.

NEW \$200,000,000 ARMOUR COMPANY

About half the assets of Armour & Co., of Illinois, will be taken over by the new Armour company, incorporated in Delaware last week, with assets amounting to over \$210,000,000. The new concern has taken over all of the parent body's foreign holdings together with several located in the United States. The division was made to facilitate handling the business.

Morris & Co. will be purchased and incorporated with the Delaware company. Reports state that J. Ogden Armour may be succeeded as president by F. Edson White, vice-president of both the Delaware and Illinois companies. Mr. Armour will probably become chairman of the Board of Directors.

The Pacific States Paper Trade Association is charged by the Federal Trade Commission with arbitrarily fixing a schedule of prices and enforcing it by bringing pressure to bear on offending members. It is also charged that the association has designated dealers as "legitimate" or "illegitimate" and has allowed goods to flow through certain channels only.

The Osborn Paper Co., Goshen, Ind., is increasing its capital from \$75,000 to \$600,000. General plans for expansion have been formulated.

The Continental Leather Co., Elkton, Va., and Bridesburg, Pa., and the Castle Kid Co., Camden, N. J., have recently increased production.

Trade Tips for Sellers

The Union Bleachery, Greenville, S. C., is building a \$12,000 addition to its dye house.

The Kennedy Paper Co., Shelbyville, Ind., will build a one-story addition to its local plant.

The Ford Motor Company is building a glass plant at River Rouge, Mich., to cost about \$1,500,000.

The Roxboro, N. C., City Council plans to install a \$75,000 filtration plant at the municipal waterworks.

J. E. Rhoades & Sons, 11th st. and the B. & O. R. R., Wilmington, Del., are erecting a one-story addition to their tannery.

A \$500,000 filter plant will be installed at the Lewiston, Idaho, waterworks. E. G. Wagner is superintendent of the city water department, which has the plans in charge.

The paint and varnish plant belonging to Wadsworth, Howland & Co., 139 Federal st., Boston, Mass., will be extended by the addition of a new five-story building, to be occupied at an early date.

The Portland, Me., tanning plant, formerly owned by the Casco Tanning Co., at Forest ave., Deering Park section, has been purchased by Frank B. Converse & Co., 27 South st., Boston, Mass. The new owner will improve the works and resume operations at once.

The J. F. Kurfees Paint Co., Market and Floyd sts., Louisville, Ky., has purchased property adjoining its plant and will build a five-story addition, to cost about \$200,000, including machinery. The capacity of the works will be doubled.

New Consuming Companies

Onyx Products Corp., New York, \$10,000. To make soaps and perfumes. R. Bennett, R. and H. Silverman; attorney, L. Urhbach, 261 Broadway.

Stanhope Chemical Co., Brooklyn, \$15,000. C. G. Unger, M. Kempfer, M. L. Nathanson; attorney, E. A. Deutschman, 44 Court st., Brooklyn.

Dehydration Co., Wilmington, \$3,000,000. To dehydrate fruits and vegetables. Corporation Trust Co. of America.

American Beauty Pencil Corp., Wilmington, \$500,000. Corporation Trust Co. of America.

Domino Textile Mills, New York, \$50,000. B. S. Foster, A. S. Cupler, F. L. Murphy; attorneys, Foster & Cupler, 233 Broadway.

Madison Products Co., New York, \$10,000. To make toilet articles. M. Weiner, S. Rosen, C. Zudeck; attorney, L. I. Isquith, 277 Broadway.

Youthglo Preparations, New York, \$20,000. To make toilet articles. A. Grill, B. Weisenfeld; attorney, A. M. Grill, 34 Wall st.

Watman Drug Co., Freeport, N. Y., \$25,000. G. and E. Watman, S. Hillman; attorney, S. Goodelman, 63 Park Row, New York.

Perfex Silk Hosiery Dye Works, New York City, \$15,000. S. M. Lazarus, A. I. Menin, E. Levy; attorney, L. H. Sanders, 2 Rector st.

Roosevelt Corp., Wilmington, \$2,000,000. To conduct hotels. Delaware Registration Trust Co.

New Canadian Incorporations

McCrimmons Ltd., Toronto, \$200,000. Chemical manufacturers. Frank J. Hughes, Aubrey T. Maher, Toronto.

Humane Medical Co. Ltd., Montreal, \$100,000. Patent medicines. Thomas L. Church, J. R. Robinson, Allan L. Lewis, Toronto.

Pilkington Brothers (Canada) Ltd., St. Catharines, \$250,000. Glass manufacturers. Samuel G. Crowell, Harold C. Walker, Toronto.

Home Canners Association, Montreal, \$100,000. Canned goods. Philippe Morel, Rolland Langlois, Montreal.

Paper Bags and Specialties, Ltd., Toronto, \$100,000. George T. Walsh, James Gilchrist, Toronto.

The Foreign Markets

Imports of Drugs and Chemicals, page 55

NARCOTICS FIRMER IN LONDON

Sodium Benzoate Reduced by German Manufacturers—Carbolic Acid, the Salicylates, Menthol and Acetic Acid Firmer—Market Easier for Benzoic Acid, Camphor Slabs and Potassium Bromide

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Jan. 3.—Trading is very light this week, but prices are firmer on opium, morphine, hexamine, carbolic acid, the salicylates, menthol and acetic acid.

The market quotations on benzoic acid, sodium benzoate, camphor slabs and potassium bromide are easier.

London, Dec. 26 (By Mail)—Business during the week has taken on a decidedly holiday tone, prices, however, continue firm and for the greater part higher. Shellac is the feature, having advanced fully 25 shillings per cwt on the week for spot, and the usual forward positions display a strong upward tendency. Doubtless owing to the cheap and heavy crop of potatoes, which in many districts does not pay to harvest, farina and dextrin are cheaper. Arsenic is much in demand, but buyers hesitate to pay the advance. Acetic acid is daily getting dearer. Benzoic acid is quiet but benzoate of soda has been reduced by the German manufacturers.

Shellac—The present position is: Spot Standard T. N. 370s per cwt; Second Orange 400s per cwt; Fine Orange 460s per cwt; A. C. Orange, 330s per cwt; forward shipments T. N. Dec.-Jan. 310s to 330s per cwt; T. N. Jan.-Feb. 320s to 325s per cwt c.i.f.

Arsenic—English white £65 per ton.

Cream of Tartar firmer at 93s per cwt.

Oil Camphor white Japan 85s per cwt.

Benzoic Acid 2s per lb.

Benzoate of Soda—German prompt shipment 1s 4d per lb f.o.b. Spot 1s 9d per lb.

Acetic Acid 80% £42. 10s per ton. Glacial 98% £65 per ton ex wharf London inclusive of containers.

Dextrin—Dutch spot lower; finest 23s per cwt.

Farina—Dutch 14s per cwt forward; 12s 6d per cwt f.o.b.

Vanillin is again lower at 23s 6d.

Castor Oil, medicinal, first pressings 47s, seconds 44s in Hull usual terms for ton lots or about 1s per cwt lower on the week.

CHINA INCREASES POSTAL RATES

Effective Nov. 1, Chinese postal rates, both domestic and foreign, on all classes of mail matters were greatly increased, according to a report to the Department of Commerce from Consul General S. J. Fuller, Tientsin. The rates affecting foreign mails are shown in the following schedules announced by the Chinese Post Office: Universal Postal Union Matter—Letters, first unit of 20 grams, 15 cents; each additional unit, 8 cents; postcards, single, 8 cents; double, 16 cents; newspapers, 3 cents per 50 grams; books, printed matter and commercial papers, 3 cents per 50 grams; minimum charge per packet of commercial papers, 5 cents; samples, 3 cents per 50 grams, with minimum charge of 6 cents per package; registration fee, simple, 15 cents; with acknowledgment of receipt, 30 cents; express fee, 30 cents.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.685
France (franc) .....	.193	.072
Italy (lira) .....	.193	.050
Germany (mark) per hundred.....	23.80	.013
Czechoslovakia (crown) per hundred.....	20.30	1.130
Poland (mark) per hundred.....	23.80	.005
Japan (yen) .....	.489	.487
Spain (peseta) .....	.193	.157
Holland (guilder) .....	.402	.395
Belgium (franc) .....	.198	.066
Norway (crown) .....	.268	.189
Switzerland (franc) .....	.193	.189
Sweden (crown) .....	.268	.270
Denmark (crown) .....	.268	.205
Argentina (peso) .....	.424	.378
Brazil (milreis) .....	.279	.118
China (Silver dollar—Hongkong).....	.789	.528
(Tael—Shanghai, silver)	1.082	.708
(Tael—Peking, silver)	1.156	.760

GERMAN CHEMICALS SOLD TO U. S. IN 1922

American purchases of German chemicals for the nine months ended Sept. 30, 1922, are reported as follows by Vice Consul Harry J. Auslinger, of Hamburg (all quantities in kilos):

Alkali metals, 75,800 kilos; white and red phosphorus 191,300; lactic acid and lactates, 165,600; tartaric acid, 716,100; citric acid, 42,500; crude potash salts, 97,755,000; fertilizer salts, 119,456,900; barium chloride, 285,300; bromides and bromoform, 516,800; ammonium carbonate, 262,600.

Caustic potash, 4,029,100; pot ashes, 2,087,700; chloride of lime, etc., 3,221,400; potassium chlorate, 1,570,600; sodium sulfate and bisulfate, 5,767,100; potassium sulfate, 45,436,700; copper sulfate, 161,200; alums, 1,576,300; ammonium nitrate, 4,817,700; barium nitrate, 107,800; potassium manganate and permanganate, 228,800; ferricyanides, 114,900; cyanides, 64,300; tartar and tartrates, 443,000; carbonate of strontium, 1,800; zinc salts, 1,029,200.

Arsenous and arsenic acid, 402,900; magnesium sulfate, 8,303,900; chlorides (calcium, magnesia), 4,448,000; muriate of potash, 102,975,600; ammonium chloride, 1,784,700; potassium and sodium sulfates, 1,062,100; and barium, lead, and nickel compounds, 9,149,800 kilos.

Production in Germany continues on a large scale, indicating that the domestic trade is storing material for high prices. If this be the case, a period of overproduction might arise in the chemical industry that would prove serious in Germany's present economic situation. This is particularly to be anticipated because the chemical industries of the United States and England have developed to such an extent that they are no longer dependent upon German chemical industries as heretofore and regard the German production with interest only when the rate of exchange is advantageous.

The export of caustic soda from Germany has started again. Brokers are unable to keep up with the market owing to fluctuating exchange rates, and have been eliminated, and the business is in the hands of a pool of chemical companies which are dealing direct with consumers.

Price Changes in the New York Markets During 1922

Quotations Are Those Which Prevailed on the First Day of Each Month, and Are the Inside Prices of Manufacturers and First-Hand Dealers in Cases Where These Were Available; Otherwise, Open Market Quotations Were Used

ARTICLES	Quantity	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHEMICALS													
Acetanilid, USP, 200 lb bbls.	.....bbl.	.29	.29	.31	.31	.31	.30	.30	.30	.30	.30	.30	.35
Acetone, CP, 700 lb drs. c/l wks.	.....bbl.	.12 1/4	.12 1/4	.12 1/4	.08	.08	.08	.10	.13	.13	.17	.19	.21
Acetphenetidin, 150 lb bbls.	.....bbl.	1.65	1.65	1.65	1.65	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
ACIDS—													
Acetic, 28%, 400 lb bbls. c/l wks.	.....100 lb.	2.50	2.50	2.50	2.50	2.25	2.25	2.25	2.67 1/2	2.67 1/2	2.80	2.92 1/2	3.17 1/2
80% coml. bbls. c/l wks.	.....100 lb.	7.89	7.89	7.89	7.89	6.50	6.50	6.50	7.68	7.68	8.00	8.35	9.08
Glacial, bbls. c/l wks.	.....100 lb.	10.00	9.00	9.00	8.50	8.00	8.00	8.00	12.17	11.17	10.71	11.16	12.05
Acetylsalicylic, 200 lb bbls.	.....bbl.	.75	.75	.75	.75	.76	.76	.75	.80	.85	.85	.95	1.00
Benzoic, Tech. 100 lb bbls.	.....bbl.	.50	.45	.45	.45	.45	.45	.50	.50	.50	.55	.55	.60
USP, 100 lb bbls.	.....bbl.	.60	.55	.60	.60	.55	.55	.55	.55	.55	.60	.68	.65
Boric, Cryst. powd., 250 lb bbls.	.....bbl.	.12 1/4	.12 1/4	.11 1/2	.11 1/2	.11 1/2	.11 1/2	.11 1/2	.11 1/2	.11 1/2	.11 1/2	.11 1/2	.11 1/2
Carbolic, USP, 1 lb bots.	.....bbl.	.27	.27	.27	.27	.27	.27	.29	.29	.30	.31	.46	.51
Citric, USP, Cryst. 230 lb bbls.	.....bbl.	.47	.47	.45	.45	.45	.45	.45	.45	.45	.50	.50	.50
Imported, Cryst. 112 lb kegs.	.....bbl.	.13	.43	.45	.45 1/2	.45	.44 1/2	.44 1/2	.44 1/2	.44 1/2	.52	.50	.50
Cresylic, 95% dark dr resale.	.....gal.	.55	.65	.45	.45	.45	.45	.53	.53	.55	.70	.75	.85
97-99% straw, drs. wks.	.....gal.	.70	.70	.50	.50	.50	.50	.56	.56	.56	.60	.60	.60
Hydrofluoric, 30% 400 lb bbls. wks.	.....bbl.	.07	.07	.07	.07	.07	.07	.06	.06	.06	.06	.06	.06
Lactic, 22% dark, 500 lb bbls.	.....bbl.	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04
44% dark, bbls.	.....bbl.	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.09 1/2
USP, 1X, 100 lb chys.	.....bbl.	.65	.65	.65	.65	.65	.65	.65	.65	.65	.60	.60	.60
Muriatic, 20° chys. 1/2 wks.	.....100 lb.	1.50	1.25	1.25	1.25	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
Iron, free, 20° chys. c/l wks.	.....100 lb.	1.75	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.35	1.35
Nitric, 36°, 135 lb chys. wks.	.....bbl.	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4
42° Single chys. wks.	.....bbl.	.06 1/4	.06 1/4	.06 1/4	.06 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4
Oxalic, 325 lb bbls. wks.	.....bbl.	.14	.13 1/2	.12	.11 1/2	.11 1/2	.14	.14 1/2	.14 1/2	.17	.17	.14	.14
Salicylic, tech., 125 lb bbls.	.....bbl.	.20	.20	.20	.20	.20	.20	.20	.22	.26	.29	.32	.37
USP, 100 lb bbls.	.....bbl.	.24	.24	.24	.26	.26	.26	.26	.26	.29	.32	.35	.40
Sulfuric, 66° tanks wks.	.....ton	16.50	16.00	16.00	16.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
1500 lb drums, 1/2 wks.	.....100 lb.	1.25	1.20	1.20	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Tannic, USP, Powd. 200 lb bbls.	.....bbl.	.60	.60	.70	.70	.65	.70	.70	.70	.70	.70	.70	.70
Tartaric, USP, Cryst. 300 lb bbls.	.....bbl.	.32	.30	.30	.30	.30	.30	.30	.30	.30	.32	.32	.32
Imp. USP, 240 lb bbls.	.....bbl.	.25	.25	.26	.26 1/2	.27	.28	.28	.28	.28	.31	.30	.30 1/2
Adeps Lanas, hydrous, 350 lb bbls.	.....bbl.	.12	.12	.10	.10	.10	.18	.18	.18	.18	.18	.18	.23
Anhydrous, 350 lb bbls.	.....bbl.	.15	.15	.15	.14	.14	.20	.20	.22	.22	.22	.22	.25
Alcohol, Wood 95%, 50 gal. bbls.	.....gal.	.60	.60	.58	.58	.55	.55	.55	.55	.58	.70	.95	1.05
Denatured No. 5 Complete Denat. 188 proof	.....gal.	.45	.35	.34	.27	.25	.25	.25	.25	.26	.33	.33	.35
50 gal. drums, extra.	.....gal.	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.03 1/2
Alum. Ammonia, lump 400 lb bbls. wks.	.....bbl.	.05 1/4	.05	.05	.05	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.04 1/4
Potash, lump, 400 lb bbls. wks.	.....bbl.	2.50	2.50	2.50	2.50	2.25	2.25	2.25	2.25	2.25	2.50	2.50	2.50
Aluminum Sulfate, Iron-free bags c/l wks.	.....100 lb.	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30
Ammonia, Anhyd. 100 lb cpl.	.....bbl.	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2
Water, 28° 80 lb drs. wks.	.....bbl.	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2
Ammonium Chloride, Domestic, White gran.	.....bbl.	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2
250 lb bbls. wks.	.....bbl.	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.07 1/2
Gray, 250 lb bbls. wks.	.....bbl.	.07	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.07 1/4
Lump, 500 lb casks spot.	.....bbl.	.15	.15	.15	.15 1/4	.15	.15	.15	.16	.16	.16	.15	.15
Sulfate, bulk c/l wks.	.....100 lb.	2.25	2.25	2.25	3.00	3.40	2.90	2.85	3.20	3.30	3.20	3.20	3.20
Aniline Oil, 900 lb drs. 5 dr. sp.	.....bbl.	.17	.16 1/4	.16	.15 1/4	.15 1/4	.14 1/4	.14 1/4	.15	.16	.17	.17	.17
Arsenic, White, 550 lb bbls. c/l NY.	.....bbl.	.06 1/2	.07	.07	.06 1/4	.07	.07 1/4	.07 1/4	.07 1/4	.08 1/2	.09	.11	.15
Barium Chloride, 800 lb bbls. wks.	.....ton	50.00	50.00	55.00	.....	100.00	100.00	100.00	95.00	95.00	100.00	100.00	100.00
Beta-Naphthol, 350 lb bbls.	.....bbl.	.30	.30	.28	.28	.28	.23	.23	.24	.23	.23	.24	.24
Bismuth Subnitrate, USP, 250 lb bbls.	.....bbl.	1.75	2.00	2.00	2.00	2.00	2.15	2.15	2.30	2.25	2.65	2.65	2.65
Bleaching Powder, 700 lb drs. c/l wks.	.....100 lb.	2.25	2.25	2.00	1.70	1.70	1.60	1.60	1.60	1.75	2.00	2.00	2.00
Borax, USP, 400 lb bbls.	.....bbl.	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4	.05 1/4
Caffeine Alkaloid, USP, 5 lb cans.	.....bbl.	4.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75
Second Hands and Imported.	.....bbl.	4.00	3.75	3.75	3.75	3.75	3.75	3.75	3.50	3.50	3.75	3.75	3.75
Calcium Acetate, 150 lb bgs. c/l wks.	.....100 lb.	1.75	1.75	1.75	1.75	1.75	1.75	2.00	2.35	2.35	2.75	3.00	3.50
Chloride, solid, 650 lb drs. cpl f.o.b. NY.	.....ton	28.75	24.75	24.75	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
Calomel. (See Mercury)	.....bbl.	.92	.92	.96	.96	.90	.90	.90	.90	.90	.90	.90	.96
Camphor, Amer. ref., 250 lb bbls.	.....bbl.	.90	.92	.92	.86	.77	.78	.78	.81	.83	.85	.86	.94
Jap. ref., 2 1/2 lb slabs, 100 lb cs.	.....bbl.	.06 1/4	.06 1/4	.06	.05	.06	.06	.06	.06	.06	.06	.06	.06 1/4
Carbon Bisulfide, 500 lb dr., 1/2 NY.	.....bbl.	.10 1/4	.10 1/4	.10 1/4	.09 1/4	.09 1/4	.09 1/4	.10	.10	.10	.10	.10	.10 1/4
Carbon Tetrachloride, 1400 lb drs. NY.	.....bbl.	.06	.06	.05	.05	.05	.05	.05 1/2	.05 1/2	.05	.05	.05 1/4	.05 1/4
Chlorine, Liquid 2000 lb cyl. c/l wks.	.....bbl.	.43	.43	.43	.37	.38	.30	.25	.25	.25	.25	.35	.35
Chloroform, USP, 50 lb bbls.	.....bbl.	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	7.00	7.00	7.07
Cocaine Hydrochloride, USP, 1 oz vials, 250ms.	.....oz.	.25	.35	.34	.26	.26	.27	.27	.30	.30	.32	.33	.32
Cocao Butter, bulk, 200 lb bales.	.....bbl.	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	5.85	5.85	5.85	6.85
Cod Liver Oil, Norwegian, 30 gal. bbls.	.....bbl.	22.00	20.00	19.00	22.00	23.00	21.00	21.00	21.00	23.00	22.00	22.00	22.00
Copper Sulfate, Cryst., 450 lb bbls. c/l spot.	.....100 lb.	5.55	5.55	5.40	5.40	5.50	5.95	5.95	5.90	5.90	5.75	5.75	5.75
Copperas, bulk, c/l wks.	.....bbl.	.75	.75	.75	.75	.85	.85	.85	.85	.85	1.00	1.00	1.00
Cream Tartar, USP, 300 lb bbls.	.....bbl.	.30	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4	.26 1/4
Imp. powd., USP, 224 lb bbls.	.....bbl.	.24	.23	.23	.23 1/4	.23 1/4	.23	.23	.22 1/2	.22 1/2	.25	.25	.24 1/2
Epsom Salt, tech., 300 lb bbls., NY.	.....100 lb.	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.25	2.25	2.25
USP, 300 lb bbls., 10 bbls.	.....100 lb.	2.50	2.50	2.50	2.50	2.50	2.50	2.45	2.50	2.50	2.75	2.75	2.75
Imported, 300 lb bbls.	.....100 lb.	1.00	1.00	1.00	1.75	1.75	1.75	1.75	1.75	1.75	2.00	2.25	2.25
Fisher, USP, 55 lb drums.	.....bbl.	.14	.14	.14	.14	.14	.14	.14	.14	.14	.13	.13	.13
Formaldehyde, USP, 400 lb bbls. c/l wks.	.....bbl.	.10 1/4	.10 1/4	.09	.08 1/2	.08	.07 1/2	.07 1/2	.08	.09	.10 1/4	.13 1/4	.14 1/4
Glauber's Salt, tech., 200 lb bags c/l wks.	.....100 lb.	1.50	1.25	1.25	1.25	1.25	1.25	1.10	1.10	1.10	1.10	1.10	1.10
Imported, bags, spot.	.....100 lb.	1.20	1.00	1.00	1.00	1.00	1.00	.70	.70	.70	.65	.85	.90
Glycerin, C.P., 550 lb drums.	.....bbl.	.15	.16 1/4	.16	.14 1/4	.14 1/4	.14 1/4	.14 1/4	.16	.17	.18 1/4	.18 1/4	.18 1/4
Dynamite, 1000 lb drs.	.....bbl.	3.80	3.80	4.05	4.05	4.05	4.20	4.20	4.20	4.40	4.40	4.40	4.50
Iodine, Resublimed, 10 lb jars.	.....bbl.	.12	.11	.11	.11	.1							

ARTICLES	Quantity	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Phenol, Open Market, 950 lb drs.	lb	.11	.11	.11	.12	.12	.12	.12	.12	.20	.22	.33	.35
Phenolphthalein, USP, 100 lb drs.	lb	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Potash, Caustic, solid 88-92% 700 lb drs. wks.	lb	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08
Imp., 88-92% 700 lb drs. NY.	lb	.06	.06	.05	.05	.06	.05	.05	.05	.05	.06	.06	.06
Potassium Bromide, USP, Cryst., 450 lb bbls.	lb	.19	.19	.19	.23	.23	.23	.22	.22	.22	.26	.26	.26
Imported, USP, 220 lb cs.	lb	.13	.13	.14	.16	.16	.15	.13	.13	.12	.20	.17	.17
Carbonate, 80-85% calc. 800 lb cks.	lb	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05
Chlorate, crys., 112 lb kgs. NY.	lb	.12	.08	.08	.08	.08	.08	.08	.08	.08	.09	.09	.09
Imp., 112 lb kgs. NY.	lb	.05	.05	.05	.06	.06	.06	.06	.06	.06	.07	.07	.08
Iodide, USP, 100 lb cases.	lb	2.90	2.90	3.15	3.15	3.15	3.30	3.30	3.30	3.45	3.45	3.45	3.60
Muriate, 80%, 200 lb bags NY K ₂ O.	unit	.70	.70	.70	.60	.60	.60	.60	.60	.62	.70	.70	.70
Pernganganate, USP, crys., 112 lb drs.	lb	.15	.14	.14	.14	.14	.14	.14	.14	.14	.17	.16	.15
Prussiate, Red, 50 lb bbls.	lb	.29	.28	.25	.60	.60	.85	.87	.90	.90	.90	.85	.95
Prussiate, Yellow, 500 lb casks.	lb	.24	.25	.25	.26	.27	.32	.32	.30	.33	.38	.37	.30
Quinine Sulfate, USP, American, 100oz tins.	oz	.60	.60	.60	.60	.60	.60	.50	.50	.50	.50	.50	.50
Dutch, 100oz tins.	oz	.60	.60	.60	.60	.60	.60	.50	.50	.50	.50	.50	.50
Japanese, 100oz tins.	oz	.60	.58	.58	.59	.58	.58	.50	.50	.50	.50	.50	.50
Rochelle Salt, USP, 225 lb bbls.	lb	.23	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21	.21
Imp. USP, 300 lb bbls.	lb	.19	.18	.18	.18	.18	.19	.17	.17	.17	.19	.19	.19
Saccharin, 1 lb cans, 25 lb.	lb	2.25	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Saltpetre, Double Refined Granular, 400-500 lb.	lb	.07	.07	.07	.07	.07	.06	.06	.06	.06	.06	.06	.06
bbls. c/l wks.	lb	147.00	147.00	147.00	167.00	167.00	167.00	167.00	167.00	167.00	172.00	172.00	172.00
Santonin, USP, 1 lb bot.	lb	1.85	1.75	1.65	1.80	1.80	1.80	1.80	1.80	1.80	2.01	2.01	2.01
Soda Ash, 58% light bgs. NY flat, ex-warehouse.	100 lb	3.80	3.60	3.30	3.65	3.65	3.85	3.75	3.60	3.60	3.50	3.55	3.55
Soda, Caustic, 76% solid, resale, NY flat.	100 lb	.20	.20	.20	.20	.20	.20	.19	.19	.19	.25	.25	.25
Sodium Bromide, USP, Cryst., 500 lb bbls.	lb	.28	.25	.26	.26	.25	.25	.26	.24	.24	.24	.24	.24
Cyanide, 98-98%, 100 lb cases NY.	lb	2.32	2.37	2.35	2.85	2.80	2.65	2.55	2.55	2.55	2.55	2.47	2.58
Nitrate, crude, 95%, 200 lb bgs, c/l NY.	100 lb	.06	.06	.08	.09	.09	.09	.09	.09	.09	.09	.09	.09
Strychnine, 500 lb bbls. wks.	lb	.16	.17	.18	.16	.17	.22	.22	.21	.22	.24	.22	.20
Prussiate, Yellow, 450 lb cks.	lb	.30	.30	.30	.32	.32	.32	.32	.32	.36	.39	.42	.42
Salicylate, 100 lb kgs.	lb	.30	.30	.30	.32	.32	.32	.32	.32	.36	.39	.42	.42
Strychnine Sulfate, USP, crys. powd.	oz	1.15	.88	.88	.76	.76	.76	.76	.76	.84	.84	.84	.84
Sulfur, crude, bulk, c/l NY.	ton	20.00	20.00	20.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Flour, Heavy, 290 lb bbls.	100 lb	1.45	1.45	1.45	1.70	1.70	1.70	2.50	2.50	2.50	2.50	2.50	2.50
ESSENTIAL OILS													
Anise, Tech.	lb	.57	.55	.50	.50	.50	.50	.50	.52	.55	.50	.50	.50
USP.	lb	.65	.65	.60	.60	.60	.60	.60	.60	.60	.55	.55	.55
Bergamot	5.00	5.00	5.00	4.90	4.50	4.35	4.30	3.60	3.60	3.60	3.00	3.00	3.10
Cassia, USP.	1.65	1.65	1.65	1.60	1.60	1.75	1.80	1.80	1.85	1.70	1.65	2.00	2.00
Citronella, Ceylon	.42	.51	.55	.54	.54	.53	.55	.73	.70	.50	.46	.48	.48
Cloves, USP.	2.30	2.20	2.15	2.15	2.05	1.95	1.95	1.85	2.10	2.15	2.00	2.25	2.25
Eucalyptus, USP.	.45	.42	.38	.38	.37	.35	.35	.35	.35	.37	.40	.42	.42
Geranium, Bourbon	5.00	5.00	4.75	5.00	5.50	5.50	5.85	5.75	6.00	5.00	5.00	5.50	5.50
Lavender Flowers, USP.	3.00	2.75	3.00	3.00	3.00	3.00	3.40	3.40	3.00	3.02	3.00	2.75	2.75
Lemon, USP.	.65	.65	.70	.80	.75	.75	.70	.70	.65	.65	.65	.70	.70
Orange, West Indian, Sweet.	2.25	2.15	2.15	2.65	2.60	2.55	2.60	2.50	2.45	2.50	2.40	2.40	2.40
Italian	3.00	3.00	2.90	3.15	3.10	3.10	3.00	2.90	2.65	2.70	2.60	2.50	2.50
Peppermint, Natural	1.70	1.70	1.70	1.70	1.75	1.85	2.00	2.00	3.25	2.85	2.60	2.60	2.60
Sandalwood, E. I.	7.40	7.10	7.15	7.25	7.15	7.10	7.10	6.85	6.75	6.75	6.65	6.75	6.75
Spearmint	2.50	2.50	2.25	2.40	2.75	3.00	3.00	3.00	3.00	2.75	2.50	2.50	2.45
Wintergreen, Synthetic, USP.	.40	.35	.35	.35	.35	.35	.35	.37	.39	.44	.44	.44	.44
Wormseed	4.50	4.25	4.00	3.75	3.25	2.75	2.25	2.40	2.50	2.40	3.25	3.50	3.50
AROMATIC CHEMICALS													
Citral, 25 lb cans	lb	3.75	3.75	3.50	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.80	2.80
Eucalyptol, USP, 25 lb cans.	lb	.88	.85	.85	.80	.80	.80	.80	.80	.80	.80	.80	.80
Safrol, 60 lb cans	lb	.72	.68	.65	.55	.55	.55	.55	.55	.55	.55	.55	.55
Benzaldehyde, USP, 40 lb cbs.	lb	1.25	1.25	1.25	1.40	1.35	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Citronellol, 1 lb bot.	10.00	10.00	10.00	10.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
Coumarin, 25 lb cans.	lb	3.75	3.50	3.25	3.15	3.00	3.00	3.00	3.50	3.50	4.00	4.00	4.00
Phenylethylalcohol, 1 lb bot.	lb	7.50	7.50	7.00	7.00	5.00	4.00	4.00	4.00	4.00	6.00	7.00	7.00
Terpineol, 50 lb cans, dom.	lb	.45	.45	.45	.45	.45	.55	.55	.55	.55	.55	.55	.55
Vanillin, USP, 400oz cans.	oz	.55	.55	.65	.55	.50	.50	.45	.45	.45	.43	.43	.43
CRUDE DRUGS													
Aloes, Curacao, 100 lb cases.	lb	.06	.06	.06	.07	.07	.06	.06	.06	.06	.06	.06	.06
Anise Seed, Spanish, bags.	lb	.15	.15	.15	.17	.17	.17	.18	.18	.18	.18	.18	.18
Arabic Gum, Sorts, amber, 200 lb bags bbls.	lb	.10	.10	.10	.10	.10	.12	.12	.16	.15	.15	.15	.15
Arnica Flowers, bales	lb	.11	.11	.11	.10	.09	.09	.09	.08	.08	.08	.09	.14
Benzoin Gum, Sumatra, 80 lb boxes	lb	.26	.28	.28	.35	.35	.60	.75	.75	.60	.60	.60	.45
Buchu Leaves, Short, 250 lb bales	lb	1.15	1.05	1.05	.95	.95	1.05	1.05	.95	.95	1.00	1.00	1.05
Cantharides, Chinese, cases	lb	.90	1.00	1.05	1.15	1.05	1.00	1.00	1.00	1.10	1.05	1.10	1.10
Russian, cases	lb	2.50	2.50	2.50	3.10	3.10	3.10	3.10	3.60	3.60	3.50	3.25	2.40
Caraway Seed, Dutch, 100 lb bags	lb	.06	.07	.08	.09	.09	.13	.19	.18	.18	.18	.19	.28
Cascara Sagrada, bales	lb	.38	.38	.50	.52	.52	.46	.11	.11	.11	.12	.12	.12
Chamomile Flowers, Hung. cases bales	lb	.21	.19	.19	.25	.30	.28	.28	.28	.28	.26	.23	.19
Cloves, Zanzibar, 135 lb bales	lb	.35	.32	.32	.30	.29	.29	.28	.29	.33	.33	.31	.32
Cubeb Berries, XX bags.	1.00	1.00	1.00	.95	.95	1.05	1.05	.95	.90	.90	.80	.82	.82
Elm Bark, Select, 5 lb bundles cases	lb	.30	.30	.28	.25	.25	.21	.20	.28	.28	.27	.27	.25
Ergot, 150-200 lb bags	lb	1.05	1.03	1.00	.95	1.05	1.05	1.05	1.00	1.00	.63	.38	.60
Hembane Leaves, bales	lb	.22	.22	.22	.22	.45	.60	.55	.60	.55	.42	.45	.45
Henna Leaves, bales.	lb	.17	.17	.17	.17	.17	.17	.17	.17	.18	.22	.24	.22
Insect Powder, pure, bbls.	lb	.36	.39	.60	.53	.53	.32	.52	.52	.52	.51	.51	.65
Jalap Root, whole, 150 lb bags.	lb	.13	.15	.15	.15	.16	.17	.17	.18	.18	.20	.25	.35
Licorice Root, Spanish, natural bales.	lb	.06	.06	.06	.06	.06	.06	.06	.06	.06	.07	.09	.09
Lycopodium, 88 lb cs.	1.30	1.10	1.00	1.05	1.05	1.00	.85	.85	.75	.75	.72	.50	.50
Manna, Small Flake, cases.	lb	.50	.50	.52	.50	.50	.50	.55	.52	.52	.48	.38	.36
Quince Seed, bags	1.45	1.55	1.55	1.60	1.65	1.20	1.20	1.20	1.25	1.25	1.26	1.65	1.65
Rhubarb, Common Round, cases.	lb	.43	.55	.70	.75	.70	.60	.53	.55	.53	.45	.44	.46
Saffron Flowers, Valencia, 1 lb cans	lb	15.50	16.75	19.00	26.00	27.00	27.00	27.00	27.00	27.00	32.00	31.00	34.00
Sarsaparilla Root, Mexican, bales	lb	.45	.43	.43	.45	.43	.40	.37	.37	.34	.28	.24	.25
Vanilla Beans, Mex., whole cases.	lb	7.50	8.00	8.00	8.50	9.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
FATTY OILS													
Cod, N.F., bbls.	gal	.45	.44	.55	.57	.58	.60	.56	.56	.54	.54	.56	.60
Degras, Amer., bbls.	gal	.04	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04
Menhaden, Crude, bbls., wks.	gal	.35	.38	.42	.42	.42	.42	.38	.45	.41	.39	.47	.50
Neat													

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stock of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls.27	.28
100 lb kgs.28	.30
USP 200 lb bbls.35	.38
Second Hands . . . . .	.34½	.35
Acetic Anhydride, 85% 480 lb drs. . . . .	.36	
85% 107 lb chys. . . . .	.37	
90% chys. . . . .	.38½	
Acetone, CP 700 lb drs. c/l wks. . . . .	.21	
700 lb drs. lc/l wks. . . . .	.21½	
350 lb drs. lc/l wks. . . . .	.21½	
Second Hands, spot. . . . .	.21	
Acetone Oils, light, bbls. . . . .	.85	.88
Heavy, bbls. . . . .	.90	.93
Acetophenone, CP 1 lb bot.	4.00	4.25
Acetophenetidin, 150 lb bbls.	1.85	1.95
Acetyl Chloride, 100 lb chys. . . . .	.35	.36
ACID 1, 2, 4, 350 lb bbl. . . . .	.80	
Acetic, 25%, 400 lb bbls. c/l		
28%, lc/l wks.	3.17½	
56%, c/l wks.	3.42½	
56%, lc/l wks.	6.35	
70%, bbls, c/l wks.	6.60	
70%, lc/l wks.	7.94	
80% coml. bbls. c/l wks.	8.19	
80% coml. lc/l wks.	9.08	
80% pure bbls. c/l wks.	9.33	
80% pure lc/l wks.	10.30	
Glacial, bbls, c/l wks.	10.85	
Glacial, lc/l wks.	12.05	
Glacial, USP chys.	12.30	
Acetylacetic, 200 lb bbls.	12.80	
Second Hands	1.00	
Anthranilic, ton lots drs. . . . .	.90	.95
95-98%, 100 lb drs.	1.10	
99-100%, 100 lb drs.	1.15	
Benzole, tech. 100 lb bbls.	1.30	
Tech. ton lots bbls. . . . .	.65	
USP, 100 lb bbls. . . . .	.60	
Boile, crys. powd. 250 lb bbls. . . . .	.75	
Keps. 100 lb . . . . .	.11	.13½
Bromine's, 250 lb bbls. . . . .	.13	
Butyric, 60% pure 5 lb bot.	1.55	
Camphoric, USP VIII 1 lb bot. . . . .	.50	.60
Carbolic, USP crys. see also Phenol	5.50	5.60
110 lb tins . . . . .	.37	
25 lb tins . . . . .	.39	
5 lb tins or bot. . . . .	.41	.42
1 lb bot. . . . .	.46	
Liquid, USP 1 lb bot. . . . .	.45	

ACID, Carbolic—(Continued)		
Crude, 25% 50 gal bbls. . . . .	.27	.30
10%, 50 gal. bbls. . . . .	.22	.23
Chloracetic, mono 100 lb bbls. wks. . . . .	.30	
DI, 150 lb chys wks.	1.00	
Tri, 425 lb bbls. wks.	2.45	
Chlorosulfonic, 1500 lb drs.		
wks. . . . .	.15	.16
Chromic, USP 200 lb drums. . . . .	.40	
85% Pure, 200 lb drums. . . . .	.35	
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans.	2.75	3.00
CITRIC, USP crys 230 lb bbls. . . . .	.50	
Powd., USP 200 lb drums. . . . .	.51	
Imported, crys 112 lb kegs. . . . .	.48	
Single kegs . . . . .	.48½	.49
Cleves, 250 lb bbls.	1.50	1.54
Cresylic, 95% dark dr. resale. gal . . . . .	.90	
97-99% straw, drs. wks. . . . .	.95	
97-99% straw, drs. resale. gal . . . . .	.95	
97-99% decolor. drs. wks. . . . .	.95	
Diethylbarbituric, 10 lb lots, 1 lb bot.	8.50	10.50
Formic, 75% tech. 100 lb chys. . . . .	.16	.18
90%, 75 lb chys. incl. . . . .	.18	.18
Gallie, USP 150 lb bbls. . . . .	.70	.75
Gamma, 225 lb bbls. wks.	1.85	
Bbls., ton lots wks.	1.75	
Glycerophosphoric, 25% 1 lb b.	1.45	1.70
H. 350 lb bbls. single. . . . .	.80	
Bbls. ton lots wks. . . . .	.75	
Hydriodic, 10% USP 5 lb bot. . . . .	.65	.70
Hydrobromic, 48% coml. 155 lb chys. wks. . . . .	.35	.40
48% coml. 10 chys. wks. . . . .	.40	
40% USP 155 lb chys. wks. . . . .	.45	.46
10%, USP 100 lb chys. wks. . . . .	.11	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. . . . .	.07	.08
HYDROFLUORIC, 30% 400 lb bbls.		
wks. . . . .	.06	
30% bbls. c/l wks. . . . .	.07	
30% 100 lb chys. wks. . . . .	.11	
48% single 100 lb chys. wks. . . . .	.10	
48% 10 chys. wks. . . . .	.12	
52% 100 lb chys. wks. . . . .	.11	
52% 10 chys. wks. . . . .	.11	

Acid, hydrofluoric—(continued)		
60% 100 lb chys. wks. . . . .	.14	
60% 300 lb dr. wks. . . . .	.13	
White Acid, 100 lb chys. wks. . . . .	.26	
White Acid, 10 chys. wks. . . . .	.25	
Hydrofluosilicic, 35% 450 lb bbls. . . . .	.10	.12
wks.		
Hypophosphorous, USP 30% 5 gal. demis . . . . .	.95	
USP, 10% 5 gal. demis. . . . .	.35	
LACTIC, 22% dark 500 lb bbls. . . . .	.04½	.05
22% light, bbls. . . . .	.05½	.06
44% dark, bbls. . . . .	.09½	.10
44% light, bbls. . . . .	.10½	.12
66% bbls. . . . .	.16	
80% imported, bbls. . . . .	.14½	.15
USP IX 100 lb chys. . . . .	.60	.70
USP VIII 100 lb chys. . . . .	.55	
Laurent's, 250 lb bbls. . . . .	.75	.80
Metanilic, 250 lb bbls. . . . .	.80	1.00
Mixed, sulfuric-nitric		
Drums, wks. . . . .	.07½	.08
Drums, wks. . . . .	.01	.01½
Tank cars, wks. . . . .	.07½	.08
Tank cars wks. . . . .	.009	.01
Molybdic, 85% pure 1 lb bot.	1.75	1.85
85% pure, 100 lb kegs.	1.30	
Monosulfonic F, Delta. 50 lb tins	2.30	
MURIATIC, 20° chys. lc/l wks.	1.20	1.65
Chys. c/l wks.	1.10	1.50
Tank cars, wks.	1.00	1.10
18°, 140 lb chys.		
c/l wks.	1.00	1.10
Tank cars, wks. . . . .	.90	1.00
22°, 140 lb chys.		
c/l wks.	1.75	2.00
Iron, free, 20° chys.		
c/l wks.	1.25	
Tank cars, wks.	20.00	25.00
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalene, tech. 250 lb bbls.60	.62
Refined, single bbls.65	
Neville & Winter's, 250 lb bbls.	1.15	1.30

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A product to endure, must necessarily be right.

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Quinine Sulphate
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135 WILLIAM STREET

NEW YORK CITY

Chemicals

ACID, NITRIC, 86° 135D			Acid Sulfuric			Alcohol—(continued)		
chy. wks. ....100lb	5.50	: 6.00	Tank cars, wks. ....net ton	9.00	: 11.00	Butyl, 60 gal. drums. ....lb	.20	: .22
Chys. c/l wks. ....100lb	4.50	: 5.00	C. P. 175D chys. ....100lb	...	: 8.00	Cinnamic, liquid, 1lb bot. ....lb	15.00	: 16.00
38° single chys. wks. ....100lb	5.50	: 5.75	Oleum, 20 p.c. 1500lb drums,	...		Crystallizable ....lb	23.00	: 24.00
Chys., c/l wks. ....100lb	4.75	: 5.25	le/l wks. ....100lb	1.25	: 1.50	Isobutyl, crude 50 gal. drums. gal	...	: 4.40
42° Single chys. wks. ....100lb	5.50	: 6.00	Drums, c/l wks. ....100lb	1.10	: 1.25	Refined, 10lb can. ....lb	...	: .75
Chys. c/l wks. ....100lb	5.00	: 5.50	Tank cars, wks. ....net ton	17.00	: 18.00	Isopropyl, crude 50 gal. drs. gal	...	: 2.25
44° Single chys. wks. ....100lb	6.75	: 7.50	Contract cars, wks. ....ton	17.00	: 18.00	Refined, 50 gal. drs. ....gal	4.00	: 4.50
Chys. c/l wks. ....100lb	6.50	: 7.00	Oleum, 40° drs le/l wks. net ton	...	: 35.00	Ref'd, 91%, drs. ....gal	...	: 3.50
C. P. chys. single wks. ....100lb	...	: 13.00	Oleum, 60° drs, le/l wks net ton	...	: 65.00	Methyl, see Alcohol, Wood		
Oxalic, 325lb bbls. wks. ....lb	.13 3/4	: .14	Sulfurous, USP 6% 100lb chys. lb	.05	: .06	Phenylethyl, see Phenylethylalcohol		
Rbils., NY ....lb	.13 3/4	: .14	4% 100lb chys. ....lb	.04	: .05	Propyl, nml, crd 50 gal. drms. gal	...	: 4.40
Kegs, 100lb ....lb	.13 3/4	: .14	USP, 5 gal. demis. ....lb	.06	: .08	Refined, 10lb can. ....lb	...	: .75
Imp., 560lb cks. ....lb	.13 3/4	: .14	Tannic, tech. 300lb bbls. ....lb	.40	: .50	Denatured		
Phenylacetic, 1lb bot. ....lb	2.50	: 3.00	USP, powd. 200lb bbls. ....lb	.70	: .75	No. 1 Complete Denat. 188 Proof		
Phosphoric, 50% tech. 100lb chys.	.08	: .09	USP, fluff, 50lb bbls. ....lb	.75	: .80	50 gal. bbls. incl. ....gal	.45	: .47
USP, 85% syrupy, 70lb demis.	...	: .16	Tartaric USP cryst 300lb bbls. lb	...	: .32	50 gal. drums, extra. ....gal	.40	: .42
Phthalic, see Phthalic Anhydride			USP, powd. 300lb bbls. ....lb	...	: .32	No. 1 Special Denat. 190 Proof		
Picramic, 300lb bbls. ....lb	...	: .65	Imp. USP, 240lb bbls. ....lb	.30 1/2	: .31	50 gal. bbls. incl. ....gal	.41	: .43
Picric, 300lb bbls. ....lb	...	: .30	Powd. 240lb bbls. ....lb	.30 1/2	: .31	50 gal. drums, extra. ....gal	.36	: .38
Bbls. car lots wks. ....lb	...	: .20	Tobias, 250lb bbls. ....lb	1.80	: 1.40	No. 5 Complete Denat. 188 Proof		
Pyrogallic, crys. 5lb cans. ....lb	...	: 1.20	Tungstic, 100lb kegs. ....lb	...	: 1.00	50 gal. bbls. incl. ....gal	.40	: .42
Resublimed, 5lb cans. ....lb	1.55	: 1.60	Aconitine Alk. cryst. 1 oz. vis. oz	...	: 30.00	50 gal. drums, extra. ....gal	.35	: .37
Tech. powd. 200lb bbls. ....lb	...	: .80	Amorphous, 1 oz. vis. ....oz	...	: 20.00	No. 6 Complete Denat. 188 Proof		
Salicylic, tech. 125lb bbls. ....lb	.37	: .38	Adeps Lanae, hydrous 350lb bbls lb	.23	: .24	50 gal. bbls. incl. ....gal	.39	: .41
USP, 100lb bbls. ....lb	...	: .40	Anhydrous, 350lb bbls. ....lb	.25	: .26	50 gal. drums, extra. ....gal	.34	: .36
Second Hands ....lb	.34	: .37	Albumen, Egg, edible. ....lb	...	: .80	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.		
Sulfanilic, 250lb bbls. ....lb	.17	: .20	Technical, see Dyers Sundries					
SULFURIC, 66° 175D chys.			ALCOHOL, USP 190 pt. 50 gal. bbls.	4.70	: 4.75			
le/l wks. ....100lb	1.10	: 1.50	Second Hands, bbls. USP 190 pt.	4.60	: 4.65			
Chys., c/l wks. ....100lb	.95	: 1.25	Export, USP 190 pt. ....gal	.37	: .45			
1500lb Drums, le/l wks.	...	: 1.10	Cologne Spirit, 50 gal. bbls. gal	4.75	: 4.80			
Drums, c/l wks. ....100lb	...	: 1.00	Wood, 95%, 50 gal. bbls. ....gal	1.20	: 1.22			
Tank cars, wks. ....net ton	14.00	: 16.00	97%, 50 gal. bbls. ....gal	1.23	: 1.24			
60° 1500lb Drums, le/l wks.	.70	: .90	Pure, meth. 50 gal. drums. gal	1.30	: 1.32			
Drums, c/l wks. ....100lb	.80	: .80	Acetone free, 50 gal. drums. gal	1.35	: 1.40			
			Alcohols, also in 50 gal. drums, extra and returnable.					
			Amyl, see Oil Fusel					



ZINC OXIDE

Snow Cap Brand 5% Tomahawk Brand 35%

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Butanol



Pure Normal Butyl Alcohol dissolves many important raw materials.

Its boiling point, 117° C., is 17° above that of water and 39° above that of ethyl alcohol.

At 22° C. one part of Butanol is miscible with 12 parts of water.

The flash point of Butanol is 38° C., that of ethyl alcohol being approximately 11° C.

It is non-hydrous and relatively non-hygroscopic.

It does not corrode metals.

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Eastern Sales and Export

17 E. 42nd Street
NEW YORK

General Office and Plant

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Cable address "Comsolvent" New York

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10a FEATHERSTONE BLDGS.
HIGH HOLBORN, W. C. 1

Cable address "Comsolvent" London

Chemicals

Alcin, USP 100 lb cases..... lb	.84	: .90
Alpha-Naphthol, tech 300 lb bbls. lb	...	: 1.05
Ton lots, bbls. wks..... lb	...	: 1.00
Refined, 300 lb bbls..... lb	...	: 1.10
Alpha-Naphthylamine, 350 lb bbls. lb	...	: .29
Ton lots, bbls. wks..... lb	...	: .28
ALUM, Ammonia, lump 400 lb bbls.		
wks. ....100 lb	3.50	: 3.65
Imp., 500 lb casks.....100 lb	3.25	: 3.50
Ground, 400 lb bbls. wks.100 lb	3.60	: 3.75
Powd., 380 lb bbls. wks.100 lb	3.90	: 4.00
Chrome, 500 lb cks wks.100 lb	5.00	: 6.00
Potash, lump 400 lb bbls.		
wks. ....100 lb	...	: 4.50
Bbls. c/l wks.....100 lb	...	: 4.25
Cont. bbls c/l wks.....100 lb	...	: 4.25
Imp. 650 lb cases sp.100 lb	3.25	: 3.50
Ground, 400 lb bbls. wks.100 lb	4.35	: 4.60
Imp. 650 lb casks.....100 lb	3.25	: 3.50
Powd., 380 lb bbls. wks.100 lb	4.50	: 4.75
Chrome, 700 lb cks wks.100 lb	5.50	: 6.00
Soda, grd. 400 lb bbls. wks.100 lb	...	: 4.00
Bbls. c/l wks.....100 lb	...	: 3.50
Aluminum, metal, c/l NY.....100 lb	22.50	: 23.00
Chloride, anhyd. 275 lb drs.. lb	.20	: .22
30% sol. 120 lb clys..... lb	.03 1/2	: .04
Hydrate, light 90 lb bbls. lb	.17	: .18
SULFATE, Iron-free bags c/l		
wks. ....100 lb	2.50	: 2.65
Imported, spot .....100 lb	2.50	: 2.60
Comm'l., 3/4% iron, bags. c/l		
wks. ....East 100 lb	1.45	: 1.50

Aluminum Sulfate— (continued)		
Cont. bags. c/l wks. E.100 lb	...	: 1.40
Bags, c/l wks. W.....100 lb	...	: 1.35
Bbls., c/l wks. East.100 lb	...	: 1.60
Bulk, c/l cont. wks. E.100 lb	...	: 1.35
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes..... lb	4.50	: 4.75
1 lb cartons, 10 lb..... lb	...	: 5.16
Aminoazobenzene, 110 lb kgs..... lb	...	: 1.15
AMMONIA anhyd. 100 lb cyl.. lb	...	: .30
Water, 26° 800 lb drs. wks.. lb	...	: .07 1/2
Drs. c/l wks..... lb	.07	: .07 1/2
Imp., 800 lb drs incl spot. lb	...	: .06
26°, 100 lb clys. lc/l wks.. lb	...	: .08 1/2
Clys. c/l wks..... lb	...	: .08 1/2
20°, 800 lb drs. lc/l wks.. lb	...	: .06
Clys., lc/l wks..... lb	...	: .07 1/2
18°, 800 lb drs. lc/l wks.. lb	...	: .05 1/2
Clys., lc/l wks..... lb	...	: .07 1/2
16°, 800 lb drs. lc/l wks.. lb	...	: .04
Clys., lc/l wks..... lb	...	: .05
Ammonium Acetate, 100 lb kegs.. lb	.35	: .36
Benzoate, USP 1 lb bot..... lb	.85	: .90
Bifluoride, 300 lb bbls..... lb	.22	: .23
100 lb kegs lb	.23	: .24
Bromide, 50 lb boxes..... lb	...	: .33
Imported, 112 lb boxes..... lb	.18	: .20
Carb., tech. 560 lb casks..... lb	...	: .09 1/2
Powd., tech. 385 lb bbls.. lb	...	: .10%
USP, lump, 100 lb kegs..... lb	.07	: .08
Powd., 100 lb kegs..... lb	.09	: .10
Chloride, Domestic		
White gran. 250 lb bbls wks lb	...	: .07%
Bbls., c/l wks..... lb	...	: .07%
Gray 250 lb bbls. wks..... lb	.07%	: .07%
Bbls. c/l wks..... lb	.07 1/2	: .07%

Ammonium Chloride—(continued)		
Imp., wh. 600 lb casks spot. lb	.06 1/2	: .07
Gray, 600 lb casks spot.. lb	.07%	: .08%
Lump, 500 lb casks spot.... lb	...	: .15
Ichthyolate, as to brand..... lb	.75	: 4.00
Iodide, USP 25 lb jars..... lb	4.85	: 4.90
Lactate, 500 lb bbls..... lb	.15	: .16
Nitrate, tech. crys. 225 lb bbls. lb	...	: ...
CP gran. 100 lb kegs..... lb	.20	: .21
Oxalate, pure, 100 lb kegs.... lb	.50	: .57
Persulfate, 112 lb cases..... lb	.55	: .60
Phosphate, dibasic 200 lb bbls. lb	.54	: .60
Tech., powd. 325 lb bbls.... lb	.15	: .17
Salicylate, USP 100 lb kegs.. lb	.63	: .65
Sulfate, bulk c/l wks.....100 lb	...	: 3.20
200 lb single bags c/l wks.100 lb	...	: 3.30
200 lb double bags f.a.s.100 lb	...	: 3.55
Sulfocyanide, tech. 100 lb kgs.. lb	.50	: .52
CP, 25 lb jars..... lb	.60	: .65
Amyl Acetate, tech. 50 gal. drs.gal	2.50	: 2.65
Pure, 5 gal. cans.....gal	5.00	: 6.00
Alcohol, see Fusel Oil		
Butyrate, 1 lb bot..... lb	2.00	: 2.10
Formate, 1 lb bot..... lb	1.75	: 2.00
Salicylate, 100 lb clys..... lb	1.30	: 1.50
Anethol, 2 lb bot..... lb	1.60	: 2.00
ANILINE OIL, 900 lb drs. 5 dr.sp. lb	...	: .17
Aniline Salt. 200 lb bbls..... lb	.24	: .25
Anisic Aldehyde, 1 lb bot..... lb	4.00	: 4.50
Anthracene, 40-45% 600 lb casks		
wks. lb	.12	: .17
80-85%, 600 lb casks wks.... lb	.75	: 1.00
Anthraquinone, subl 125 lb bbls. lb	1.30	: 1.35
30% paste 350 lb bbls..... lb	.75	: .80
Antimony metal, slabs ton lots100 lb	...	: 6.25
Needle Powd., 100 lb cases.... lb	.06	: .06 1/2

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CARBON TETRACHLORIDE

Last year the use of Carbon Tetrachloride as a fumigant against wheat weevil was introduced. This material is particularly desirable as it is absolutely non-inflammable and can be used in sections where Underwriters rules will not permit the use of Carbon Bisulphide.

Can be supplied in 5- 10- and 55-gallon drums.

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Midland, Mich.

90 West St., New York



Chemicals

ANTIMONY CHLORIDE, anhyd 1000b			Bay Rum, Porto Rican, genuine			Beta-Naphthylamine, tech. 200b.		
dra.	b	.35	Denat. salicy acid or tartar emetic			bbls.	b	.95 : 1.00
50b. crocks	b	.45 : .50	45 gal. bbls.	gal	3.10 : 3.25	Sublimed, 200b bbls.	b	: 1.50
Sol'n. 130b carbonyl.	b	.12 : .14	Denat. quinine sulf. 45 gal.			Bichloride Mercury, see Mercury Bichloride		
Oxide, 500b bbls.	b	.06 1/4 : .07	bbls.	gal	3.40 : 3.50	BISMUTH metal, 150b cases. .b		2.65 : 2.75
Salt, dom. 500b bbls.	b	.24	Domestic synthetic, 50 gal.			Second Hands	b	2.60 : 2.70
Imp., c.i.f. NY.	b	.18 : .19	bbls.	gal	1.25 : 1.35	Ammon. Citrate, USP 5b bxs. .b		: 5.45
Sulfide, golden 500b bbls. .b		.19	Benzaldehyde, tech. 945b dra.			Betanaphtholate, 5b bxs.	b	: 3.10
336b kegs	b	.17	wks.	b	.65 : .70	Citrate, USP 5b bxs.	b	: 2.75
Crimson, 500b bbls.	b	.38	USP, 25b cans.	b	1.40 : 1.50	Nitrate, 25b jars	b	: 1.70
336b kegs	b	.36	FFC, 25b cans.	b	1.70 : 1.80	Oxychloride, 250 bbls.	b	: 3.12
Red, 500b bbls.	b	.43				Phenolsulfonate, 5b cans.	b	: 2.90
336b kegs	b	.40	BENZENE, 90% 8000 gal. tanks			Salicylate, 250 bbls.	b	: 1.85
Tartroacetate, 500b bbls.	b	.45	wks.	gal	.37	Subbenzoate, 5b boxes	b	: 3.05
Antipyrine, USP, 100b cases. .b		2.30 : 2.40	110 gal. dra. wks.	gal	.32	Subcarbonate, USP 250 bbls. .b		: 3.00
Apomorphine Hydrochloride, 1/4 oz. vial. .oz		: 16.65	CP Tanks, wks	gal	.30	X-Ray diag. 1b bot.	b	: 3.35
Arecoline Hydrobromide, 1 oz. vial. .oz		: 12.00	110 gal. dra. wks.	gal	.35	Subgallate, USP 175 bbls.	b	: 2.51
Argols, red powd. 350b bbls.	b	.07 : .07 3/4	Benzidine Base, dry 250b bbls. .b		.57	Subiodide, 5b lots.	b	: 4.43
Arsenic, metal 220b kegs	b	.23 : .24	10 bbl. lots.	b	.85	Subnitrate, USP 250 bbls.	b	: 2.65
Red, 224b kegs cases.	b	.13 1/4 : .13 3/4	Benzidine Sulfate, paste 350b			Second Hands, bbls. or less. .b		2.45 : 2.50
White, 550b bbls. c/l NY. .b		.15 3/4 : .16	bbls.	b	.70 : .72	Cones, 1b bot.	b	: 3.65
Aspirin, see Acid Acetylsalicylic			Benzol, see Benzene			Subsalicylate, USP 175 bbls. .b		: 2.78
Atropine Alk. USP 1 oz vial. .oz		: 10.50	Benzonaphthol, 5b boxes.	b	2.00 : 2.10	Tannate 1b bot.	b	: 2.50
Sulfate, 5 oz. in 1 oz. vials. .oz		: 4.50	Benzoyl Chloride, 500b dra.	b	1.00	Bismuth Preparations quoted		
Single ounce	b	: 4.60	Benzyl Acetate, 100b clys.	b	1.40 : 1.50	above on basis 25b lots.		
BARIUM BINOXIDE, see Barium dioxide			Alcohol, 5b bot.	b	1.25 : 1.50	Smaller lots at an advance.		
Carbonate, precip. 800b bbls.			Benzoate, 5b bot.	b	1.90 : 2.00	Blanc Fixe, dry 400b bbls. wks. ton	80.00	: 85.00
wks.	ton	75.00 : 85.00	Medicinal FFC	b	2.10 : 2.20	Imported, bbls.	ton	: . . .
Imports, bbls. spot.	ton	: 75.00	Chloride, 95% tech. 925b dra. .b		.20 : .22	Paste, 650b bbls.	ton	: 40.00
Precip., 200b bgs, wks.	ton	70.00 : 75.00	100b clys.	b	.25	BLEACHING POWDER, 700b dra.		
Chloride, 800b bbls. wks.	ton	95.00 : 100.00	Redistil. 100b clys.	b	.35	c/l wks.	100b	2.15 : 2.25
200b bgs. wks.	ton	95.00 : 98.00	Formate, 1b bot.	b	2.50 : 3.00	Drums 1c/l ex-warehouse.	100b	2.25 : 2.40
Import, bbls. spot.	ton	95.00 : 98.00	Berberine Hydrochloride, 1b bot.	b	22.00	Contract, c/l wks.	100b	1.90 : 2.00
Dioxide, 780b dra.	b	.18 : .20	Sulfate, acid or neut. 1b bot. .b		22.00	F. a. a. c/l.	100b	: . . .
Import, 500b dra.	b	.14 : .16	BETA-NAPHTHOL, 350b bbls. wks. .b		.26	Imported, spot.	100b	: . . .
Hydrate, 500b bbls.	b	.05 : .06	Ton lots, wks.	b	.24	Blue Ointment, see Mercury		
Iodide, 5b bot.	b	: 5.10	Sublimed	b	.55 : .60	Mass, see Mercury		
Nitrate, 700b casks.	b	.09 1/4 : .10				Bone Ash, 100b kegs.	b	: .08
Import, casks	b	.08 : .08 3/4				Black, 200b bbls.	b	.06 : .08
Sulfocyanide 400b bbls.	b	: .35						
Barytes, floated 350b bbls.	ton	33.50 : 35.00						



Soda Ash
Caustic Soda
Bicarbonate of Soda

Manufactured by
MICHIGAN ALKALI COMPANY

Sole Selling Agents
EDWARD HILL'S SON & CO.
 21 EAST 40TH STREET, NEW YORK

Chemicals

Borax, USP cryst. 400 lb bbls...D	.05 1/4 : .06	Calcium Chloride—(continued)		Carbon Tetrachloride, 1400 lb dra.	
Powdered, USP 300 lb bbls...D	.05 1/4 : .06	Flake 330 lb dra. c/l dra. fob		NY	... : .10 1/4
Kegs, USP 100-150 lb...D	.06 : .06 1/4	NY	... : 30.50	Drums, c/l NY...	.09 : .09 1/4
Bordeaux Mixture, powd. bbls...D	.13 : .16	Imp., solid 600 lb dra. spot. ton	... : 20.50	700 lb dra. single NY...	... : .10 1/4
Paste, bbls...D	.08 : .10	Anhyd., 350 lb dra. fob NY. D	.12 : .13	Carmine, No. 40 5 lb boxes...D	4.50 : 4.60
Borneol, 1 lb bot...D	... : 3.50	Glycerophosphate, 250 lb bbls...D	1.55 : 1.60	Casein, edib. 100 lb keg...D	.45 : .50
Bromide, see potass. bromide, etc.		Hydrate, (see Lime)		Technical, 200 lb bbls...D	.15 : .18
Bromine, bot. in 60 lb cs. wks...D	... : .29	Iodide, 5 lb bot...D	... : 4.20	Castoreum, 1 lb boxes...D	4.00 : 4.50
Bromobenzene, 600 lb drums...D	.40 : .42	Lactate, tech. 500 lb bbls...D	... : .13 1/4	Castor Oil, USP 50 gal. bbl...D	... : .13
Bromoform, USP 5 lb bot 50 lb cs...D	... : 1.30	Nitrate, 220 lb bbls. c/l NY. ton	... : 40.00	Cases, 80 lb 2 tins...D	... : .14
Bromistrol, 25 lb kegs...D	4.00 : 4.25	Phosphate, precip. 350 lb bbls...D	.10 : .12	Tech., see Fixed Oils	
Brucine Sulfate, 100 ozs...oz	... : .20	Phosphate, precip. tribasic 350 lb bbls...D	.12 : .13	Caustic Potash, see potash, caustic	
Butter of Antimony, see Antimony Chloride		Phosphate, mono...D	.06 1/4 : .07 1/4	Soda, see soda, caustic	
CADMIUM, metal 100 lb bxs...D	1.15 : 1.25	Sulfocarbonate, 100 lb kegs...D	.61 : .63	Cerium Oxalate, USP 100 lb kgs. D	.48 : .53
Bromide, 50 lb cases jars...D	... : 1.10	Calomel, see Mercury		Chalk, drop 175 lb bbls...D	... : .03 1/4
Iodide, 10 lb bot...D	... : 4.20	CAMPBOR, Amer. ref. 250 lb bbls...D	... : .96	Precip. light 175 lb bbls...D	.04 1/4 : .04 1/4
Sulfide, cs...D	1.50 : 1.60	2 1/2 lb slabs, 100 lb cs...D	... : .97 1/4	Precip. heavy 500 lb csks...D	.03 1/4 : .04
CAFFEINE ALK. USP 5 lb cans...D	3.75 : 4.25	1 lb cakes, 100 lb cs...D	... : .97 1/2	Bulk	5.00 : 8.00
Second Hands	... : 3.75	1 oz. tab., 1 lb ctms...D	... : 1.01 1/4	Charcoal, Bone, see bone black	
Hydrochloride, 1 lb bot...D	7.12 : 7.32	100 lb cs...D	... : 1.01 1/4	Wood, powd. 100 lb bbl...D	.04 : .05
Sulfate, 1 lb bot...D	... : 5.53	1/2 oz. tab., 1 lb ctms...D	... : 1.02	Willow, powd. 100 lb bbl...D	.06 : .07
Citrated, 25 lb cans...D	3.00 : 3.25	100 lb cs...D	... : 1.02	China Clay, imp...ton	16.00 : 22.50
Hydrobromide, 1 lb bot...D	... : 4.75	Jap. ref. 2 1/2 lb slabs, 100 lb cs...D	.91 : .93	Domestic, fob Mine...ton	15.00 : 17.50
CALCIUM Acetate, 150 lb bgs, c/l wks...100 lb	... : 3.50	1 oz. tab. 100 lb cs. 1 lb tins...D	... : 1.02	Chloral Hydrate, USP 100 lb dra. D	.75 : .80
Arsenate, 100 lb bbls. c/l wks...D	.16 : .19	1/2 oz. tab. 100 lb cs. 1 lb tins...D	... : 1.04	25 lb jars...D	.76 : .81
Bbls. lc/l wks...D	.18 : .20	Chinese ref. 2 1/2 lb slabs 100 lb cs...D	... : .90	Chinoidin, 170 lb cases...D	.65 : .75
Bromide, 100 lb cs...D	... : .45	Crude, 100 lb cs...D	.72 : .75	Chlorhydrin, Ethylene anhyd, 600 lb dra...D	1.50 : 1.60
Calcium Carbide, 220 lb dr c/l wks...D	... : .04 1/4	Campbor, Monobrom. 100 lb cs...D	1.90 : 1.95	40% solu. 100 lb chys...D	.30 : .35
Drums lc/l wks...D	... : .05	Caramel, 50 gal. bbls...gal	.57 1/4 : .62	CHLORINE, Liquid 3000 lb cgl. c/l wks...D	.05 1/4 : .05 1/4
Carbonate, tech. 100 lb bags c/l...100 lb	1.00 : 1.10	Carbazol, 250 lb bbls...D	.75 : .80	Tank car lots wks...D	.05 1/4 : .05 1/4
USP, precip. 175 lb bbls...D	... : .04	Carbon Bisulfide, 500 lb dr. lc/INYD	... : .06 1/4	100 lb cgl. c/l...D	... : .08
Chloride, solid, 650 lb dra. c/l f o b NY...ton	... : 24.50	c/l drums, NY...D	... : .05 1/4	100 lb cgl lc/l wks...D	.06 1/4 : .07
Gran., 350 lb dra. c/l f o b NY...ton	... : 30.50	Carbon Black, 12 1/2 lb bags, 150-225 lb cases...D	.18 : .35	Chlorobenzene, mono. 1000 lb dra. wks...D	.10 : .11
				Dra. c/l wks...D	... : .09
				Tank car lots wks...D	... : .08
				CHLOROFORM, USP 50 lb dra...D	... : .35
				Second Hands, 650 lb dra...D	.32 : .34
				Technical, 650 lb drums...D	.33 : .35

R. W. GREEFF & CO.

(Incorporated)

78 FRONT STREET

Corner Old Slip

New York City

PHARMACEUTICAL DEPARTMENT

Acetone C. P.	Milk Sugar
Adeps Lanae	Oxalic Acid
Benzoates	Phenolphthalein
Citric Acid	Potassium Bicarbonate
Cod Liver Oil	Potassium Metabisulphate
Cream of Tartar	Pyrogalllic Acid
Formaldehyde	Quinine
Formic Acid	Salicylates
Hexamethylenetetramine	Tannic Acid
Hydroquinone	Tartaric Acid
Methyl Salicylate	Vanillin

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The many advantages in the use of Liquid Chlorine include these efficient and economic elements—

It is chemically pure
It is a 100% bleaching agent

It is easy to control
It entails no waste or loss
It insures cleanliness of operation.



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Plant NIAGARA FALLS, N. Y.

Main off. 18 E. 41st St., New York Chicago off 11 So. La Salle St

Chemicals

Chromium Acetate, 20° soln. 400 lb bbls. ....	.08	: .10	COD LIVER OIL, Norwegian, 30 gal. bbls.	22.50	: 23.50	Cyanamide, bulk c/l wks. Amm unit ...	: 3.25
Fluoride, Powd. 400 lb bbls. ....	...	: .50	Newfoundland, 30 gal. bbls. bbl ...	...	: ...	DIAMINOPHENOL, 100 lb kegs.	: 3.75
Soln. 400 lb bbls. ....	...	: ...	Colchicine alk., USP 1 oz. vial. ....	...	: 30.00	Dianisidine, 100 lb kegs.	4.50 : 4.60
Sulfate, 400 lb bbls. ....	.07	: .09	Salicylate, 1 oz. vial. ....	...	: 45.00	Dichlorobenzene, 1000 lb drs. ....	.06 : .07½
Chrysarobin, USP 5 lb cans.	2.10	: 2.25	Colledon, USP 30 lb drums. ....	.22	: .23	Diethylaniline, 850 lb drs. ....	.60 : .65
Cinchonidin alk., pvd. 100 oz. tins. ....	...	: .70	Flexible, USP 30 lb drums. ....	.27	: .28	Diethyl Phthalate, 25 lb cans. ....	.85 : .90
Crystal ...	...	: .75	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs. ....	.40 : .45
Sulfate, 100 oz. tins. ....	.49½	: .50	NY ...	14.62½	: 14.75	CP drums ...	.50 : .55
Cinchonine, alk., pvd. 100 oz. tins. ....	...	: .38	Lake, c/l NY ...	14.62½	: 14.75	Digitalin, Pure, 1 oz. vial.	7.75 : 8.25
Crystal ...	...	: .43	Casting, c/l NY ...	14.25	: 14.50	Dimethylaniline, 840 lb drs. wks. ....	.39 : .41
Sulfate, 100 oz. tins. ....	...	: .25	Carbonate, 400 lb bbls. ....	...	: .19	Dimethylsulfate, 110 lb drs. ....	...
Cinnamic Alcohol, see Alcohol Cinnamic			Cyanide, 1000 lb drs. ....	.58	: .60	Dinitrobenzene, 400 lb bbls. ....	.19 : .20
Cinnamic Aldehyde, 1 lb bot.	3.75	: 4.00	Oxide, 1000 lb bbls. ....	.15½	: .16	Dinitrochlorobenzene, 400 lb bbls. ....	.19 : .20
Citral, 25 lb cans.	2.80	: 3.25	Carlots, bbls. ....	.15	: .15½	Dinitronaphthalene, 350 lb bbls. ....	.30 : .32
Citrine Ointment, see Mercury			Sub-Acetate, verd. 440 lb bbls. ....	.35	: .37	Dinitrophenol, 350 lb bbls. ....	.33 : .35
Citronellal, 1 lb bot.	2.00	: 2.25	SULFATE, crys. 450 lb bbls. 1c/l			Dinitrotoluene, 300 lb bbls. ....	.20 : .22
Citronellol, 1 lb bot.	8.00	: 12.00	spot ...	6.25	: 6.50	Dionin, see Morphine, Ethyl	
Cobalt metal, 100 lb kegs.	3.00	: 3.25	Carlots, bbls. spot.	6.00	: 6.25	Diphenylamine, 250 lb bbls. ....	.52 : .54
Cobalt Oxide, 500 lb bbls. ....	...	: 2.10	Powdered, 350 lb bbls. 1c/l	...	: 8.00	Diphenyloxide, 500 lb drums. ....	.85 : .90
10 lb tins 200 lb cases. ....	...	: 2.35	Carlots, bbls. spot.	7.25	: 7.50	Dover's Powder, USP 5 lb tins. ....	...
COCAINE alk., USP, 1 oz. vial. ....	...	: 11.00	Copperas, bulk c/l wks.	20.00	: 21.00	Duboisine Sulfate, 1 oz. vial. ....	...
Hydrochloride, USP—1 oz. vials,			400 lb bbls. c/l wks. ....	...	: 25.00	Duboisine Sulfate, 1 oz. vial.	60.00
25 ozs. ....	...	: 7.07	200 lb bbls. c/l wks. ....	...	: 23.00	EARTH, Diatomaceous, see Kieselguhr	
In ¼ oz. vials. ....	...	: 7.50	Powdered, bbls.	3.45	: 3.75	Emetine, alk., 15 gr. vls.	1.65
In crystals, granular, powder,			Corn Syrup, 42 deg. 50 gal.			Hydchlide, USP 1 oz. vial.	19.00
or flaky crystals as desired.			bbls.	2.77	: 3.02	15 gr. vials. ....	.76 : .80
Cocoa Butter, bulk, 200 lb bales. ....	.30	: .30½	43 deg. 50 gal. bbls.	2.82	: 3.07	EPSON SALT, tech. 300 lb bbls.	
Fingers, cakes, etc. 12 lb bxs. ....	.36	: .37	Corrosive Sublimate, see Mercury Bichloride			NY ...	2.25
CODEIN alk., 5 oz. cans 10 oz			Cotton Soluble, 100 lb bbls. wet. ....	.40	: .42	Bbls. c/l NY ...	2.10
lots ...	...	: 7.30	Coumarin, 25 lb tins.	4.00	: 4.25	100 lb bgs. c/l NY ...	1.85
Hydrobromide, 10 ozs. ....	...	: 5.85	CREAM TARTAR, USP 300 lb			Imp., 220 lb bgs. c/l	
Hydrochloride, 10 ozs. ....	...	: 6.55	bbls. ....	...	: 26½	NY ...	1.10 : 1.25
Nitrate, 10 ozs. ....	...	: 6.55	Imp. powd. USP, 224 bbls. ....	.24½	: .25	USP, 300 lb bbls. 10 bbls.	2.75 : 2.90
Phosphate, 10 ozs. ....	...	: 5.50	Creosote, USP, 42 lb chys. ....	.40	: .45	Carlots, bbls.	2.25 : 2.50
Salicylate, 10 ozs. ....	...	: 5.50	Creosote Oil, 50 gal. drs. ....	.20	: .22	Imported, 300 lb bbls.	2.25 : 2.60
Sulfate, 10 ozs. ....	...	: 5.85	Carbonate, 1 lb bot. 35 lb ...	1.60	: 1.70	Ergotin, Bonjean, 1 lb jars.	9.50 : 10.00
Small Sizes, ¼ oz. vials, 50c extra,			Cresol, USP, 400 lb bbls. ....	.25	: .27	Eserine alk., 1 oz. vial. ....	...
¾ oz. 25c extra, singles 7c extra						Salicylate, USP 1 oz. vial.	25.00
per oz.—25 oz. lots, 10c oz. cheaper						Sulfate, USP VIII, 1 oz. vial.	20.00
than above. Less than 10 ozs. 15c oz.							
higher than above							

FORMALDEHYDE

MECCO

The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

Chemicals

ETHER, USP 55 lb drums.....lb	.13	: .15	Fluorspar, 95% 220 lb bgs. ex			GLYCERIN, C. P. 550 lb drums. lb	...	: .18
Anaesthesia, 55 lb drums.....lb	...	: .16	dock .....ton	...	: 25.00	Cans, 50 lb .....lb	...	: .19 1/4
USP, 1880 55 lb drums.....lb	...	: .38	98% bgs. ....ton	...	: 33.50	Dynamite, 1000 lb drs.....lb	...	: .16
Washed, 55 lb drums.....lb	...	: .30	98% bgs. ....ton	...	: 35.00	Saponification, tanks .....lb	.12	: .12 1/4
Motor, 1 lb cans.....lb	.26	: .27	FORMALDEHYDE, USP 400 lb bbls.			Soap, Lye, tanks.....lb	.10 1/2	: .11
Ether, Nitrous, 1 lb bot.....lb	.92	: .95	c/l wks. ....lb	...	: .16	Goa Powder, see chrysarobin		
Ethyl Benzyl Aniline, 300 lb drs. lb	...	: 1.30	Carbonyl, 100 lb lc/l wks.....lb	...	: .16 1/4	Graphite, crude 220 lb bags.....ton	15.00	: 35.00
Ethyl Acetate, 99% 50 gal. dr. gal	.95	: 1.05	Bbls. 400 lb lc/l wks.....lb	...	: .16 1/4	Flake, 500 lb bbls.....lb	.06	: .10
85-90% Ester, 50 gal. dr. gal	...	: .85	Second Hands, bbls., chys.....lb	.14 1/2	: .16	Ground, lump, bbls.....lb	.04	: .05
Carlots, drums .....gal	...	: .82	Fuller's Earth, 200 lb bgs. c/l			Gualacol liquid, USP 25 lb cans. lb	2.50	: 2.60
Tank Cars .....gal	...	: .70	mines .....ton	15.00	: 17.00	Benzoate, 1 lb bot.....lb	...	: 18.00
Pure, 5 lb bot.....gal	3.25	: 3.50	Imported, 230 lb bags NY.....ton	35.00	: 40.00	Carbonate, 5 lb boxes.....lb	4.25	: 4.50
Benzoate, 5 lb bot.....lb	1.85	: 2.00	Fuel Oil, refined, 100 gal dr. gal	3.00	: 3.50	HAARLEM OIL, Dom. 6 gr. cs. gross	...	: 3.50
Bromide 115 lb drs.....lb	...	: .40	Crude, 100 gal dr. gal	...	: 2.00	Imported, 6 gr. cases.....gross	5.25	: 5.35
Butyrate, 5 lb bot.....lb	2.00	: 2.25	G. SALT, paste 350 lb bbls. basis			Heliotropic, 10 lb bot.....lb	2.50	: 2.75
Methyl Ketone, 50 gal. drums. lb	.19	: .20	100% .....lb	.65	: .70	Hexamethylenetetramine, USP		
Morphine, see Morphine, Ethyl			Gelatin, USP silver bbl. 100 lb cs. lb	.85	: .90	100 lb drums .....lb	.95	: .97 1/4
Chloride, 15 lb cpl.....lb	...	: .50	Gold Label, 100 lb cases.....lb	...	: .85	Imported .....lb	.80	: .85
Cinnamate, 1 lb bot.....lb	5.00	: 5.50	Technical, 100 lb cs.....lb	.60	: .65	Rubber Makers, Impalp. Pd.		
Formate, 5 lb bot.....lb	1.00	: 1.10	Geranol, 50 lb cans.....lb	2.75	: 3.50	drs. ....lb	.90	: .92
Valerate, 5 lb bot.....lb	4.50	: 4.75	Geranyl Acetate, 1 lb bot.....lb	5.75	: 6.00	Homatropine Hydrobrom. USP 1 oz.		
Ethylene Bromide, 600 lb drs.....lb	...	: .60	GLAUBER'S SALT, tech. 200 lb bags			vial .....oz	...	: 18.00
Glycol .....lb	1.00	: 1.25	c/l wks. ....100 lb	1.10	: 1.25	Fire ozs., 1 oz. vials.....oz	...	: 17.00
Eucalyptol, 25 lb cans.....lb	.80	: .85	350 lb bbls. c/l wks.....100 lb	1.25	: 1.40	Hydrastine Alk., USP, 1 oz. vial. oz	...	: 20.00
Eugenol, 25 lb cans.....lb	3.25	: 3.50	Bbls. lc/l wks.....100 lb	1.50	: 1.75	Hydchilde, USP, 1 oz: vial.....oz	...	: 20.00
Feldspar, bulk .....ton	20.00	: 25.00	Imported, bbls. spot.....lb	1.00	: 1.10	Sulfate, 1 oz. vial.....oz	...	: 22.00
FERRIC CHLORIDE, tech. crys.			USP, 300 lb bbls, Imp. sp. 100 lb	...	: 1.25	Hydrastinine Hydchilde, USP 15 gr.	...	: 2.40
475 lb bbls.....lb	...	: .10	USP, 300 lb bbls. dom. sp. 100 lb	...	: 1.75	vials .....vial	...	: 1.35
Imported .....lb	...	: .07	USP, 300 lb bbls. c/l wks. 100 lb	...	: 1.40	Hydrazobenzene, 100 lb kegs.....lb	1.30	: 1.35
USP. crys. 100 lb kegs.....lb	...	: .10	Glucose, (Grape Sugar) dry, 100			HYDROGEN PEROXIDE, 25 vol. 400 lb		
Imported .....lb	...	: .09	bags, c/l NY.....100 lb	3.00	: 3.10	bbls. ....lb	...	: .10
Tech. Sol'n 40° 140 lb chys. lb	...	: .06 1/4	Syrup, Drs. & bbls. c/l NY 100 lb	2.77	: 3.02	USP Soln. 375 lb bbls.....lb	.05	: .05 1/4
48°, 140 lb chys.....lb	...	: .08	lc/l NY .....100 lb	...	: 3.12	USP bot. 4 oz. cases.....gross	7.50	: 7.75
USP Sol'n 125 lb chys.....lb	...	: .06 1/4	GLUE, pure white, bbls.....lb	.30	: .35	Bot. 8 oz. cases.....gross	11.00	: 11.25
Ferrous Chloride, crys. tech.			Medium white, bbls.....lb	.25	: .30	Bot. 16 oz. cases.....gross	18.50	: 18.75
475 lb bbls.....lb	.06	: .06 1/4	French, bbls.....lb	.18	: .25	Hydroquinone, 100 lb kegs.....lb	1.05	: 1.20
Ferrous Sulfide, 1000 lb bbls. 100 lb	2.50	: 3.00	High Grade, bbls.....lb	.35	: .40	Hyoscine Hydrobrom. USP 1 oz.		
Flake White, see lead, white			Rone, regular, bbls.....lb	.10	: .12	vial .....oz	...	: 21.00
			Fish, bbls. ....gal	1.50	: 1.75	Five ozs., 1 oz. vials.....oz	...	: 20.50



Each batch of

P.A.C. FORMALDEHYDE

Solution U. S. P.

is subjected to the closest scrutiny. For absolute consistency in strength and color this product is the best that it is chemically, physically and mechanically possible to produce.

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PERTH AMBOY CHEMICAL WORKS

709 SIXTH AVE., NEW YORK

Chemicals

Manganese—(continued)			Methyl Acetone, 100 gal. drums...gal			NAPHTHA, Solvent, 110 gal. dra		
Glycerophosphate, 5 lb tins....lb	...	3.05	Tank cars	...	.65	wks.	...	.32
Hypophos. USP VIII 5 lb cans..lb	...	1.65	Anthranilate, 1 lb bot.....lb	4.00	4.50	8000 gal. tank car wks....gal	...	.37
Iodide, 1 lb bot.....lb	...	6.35	Chloride, 90 lb cyl.....lb	...	.50	NAPHTHALENE, Flake, 175 lb bbls.	...	
Ore, bulk NY.....unit	...	.30	Cinnamate, 1 lb bot.....lb	4.50	5.00	wks.	...	.06 1/2
Sulfate, 600 lb casks NY....lb	...	.10	Paracresol, 1 lb bot.....lb	8.00	9.00	Bbls. c/l wks.....lb	...	.07
Marble Flour, bulk.....ton	10.00	12.00	Salicylate, USP 50 lb cases...lb	...	.57	Bbls., second hands NY....lb	...	.06 1/2
See also Calcium Carbonate			500 lb drums	...	.55	Balls, 250 lb bbls. wks.....lb	...	.07 1/2
MENTHOL, USP, 60 lb cases....lb	...	10.00	Second Hands, cases.....lb	...	.52	Bbls. c/l wks.....lb	...	.07
Less cases, 5 lb tins.....lb	10.25	10.50	Methylene Blue, tech. 100 lb kgs..lb	1.00	1.50	Crushed bgs. wks.....lb	...	.05
MERCURY, metal 75 lb flask..flask	74.00	75.00	USP, medicinal 5 lb cans....lb	2.25	2.60	Crude, imp., bgs.....lb	...	.02 1/2
Less Flasks, 5 lb fugs.....lb	1.02	1.04	Michler's Ketone, 225 lb bbls..lb	...	3.75	Nerolin, 1 lb tins.....lb	1.75	2.00
Bichloride, cryst. 25 lb bxs..lb	...	1.17	Milk, powd. 150 lb bbls.....lb	...	.14	Nickel Metal, electrolytic 100 lb	...	
Gran. powd., 200 lb kegs..lb	...	1.02	Milk Sugar, see sugar of milk	...		kegs	...	.36
Bisulfate, 25 lb boxes.....lb	...	.86	Mineral Oil, see oil mineral	...		Shot, 100 lb kegs.....lb	...	.37
Blue Mass, 25 lb boxes.....lb	...	.62	Monochlorobenzene, see chlorobenzene	...		Salt, single 400 lb bbls. NY..lb	...	.07 1/2
Powdered, 25 lb boxes.....lb	...	.64	Monothylaniline, 900 lb drs...lb	1.00	1.05	Double, 400 lb bbls. NY....lb	...	.08
Blue Ointment, USP 25 lb cans	...		MORPHINE Sulfate, USP 5 oz. tins	...		Oxide, 100 lb kegs NY.....lb	...	.42
50%.....lb	...	.80	10 oz.....oz	...	5.35	Nitre Cake, bulk wks.....ton	6.50	8.00
USP, dilute 25 lb cans 30%..lb	...	.62	Acetate, 5 oz. tins 10 oz. lots.oz	...	5.35	500 lb bbls.	9.00	9.75
33 1/3% Mercury.....lb	...	.67	Hydrobromide, 5 oz tins 10 oz.	...		Nitrobenzene, crude 1000 lb dra.	...	
Calomel, 50 lb bxs.....lb	...	1.25	lots	...	5.35	wks	...	.09 1/2
Citrine Ointment 25 lb jars..lb	...	.50	Hydride, 5 oz. tins 10 oz.	...		Redistilled, 1000 lb dra. wks..lb	...	.10
Iodide, green 25 lb jars.....lb	...	3.86	lots	...	5.35	Nitronaphthalene, 550 lb bbls..lb	...	.23
Red, USP 25 lb jars.....lb	...	3.96	Diacetyl Alk., 1/2 oz. vls. 10	...		Nitrotoluene, mixed 1000 lb dra.	...	.14
Yellow, USP VIII 25 lb jars..lb	...	3.86	oz.	...	8.95	wks.	...	.16
Red Precip. USP 25 lb bxs....lb	...	1.38	Hydride, 1/2 oz. vls. 10 oz.oz	...	8.10	Oil Fusel, see Fusel Oil	...	
Powder, USP 25 lb bxs.....lb	...	1.48	Ethyl Hydride, 1/2 oz. vls. 10	...		OIL MINERAL, wh. 50 gal. bbls.gal	1.00	1.25
White Precip. USP 25 lb bxs..lb	...	1.49	oz.	...	9.45	Oil Mirbane, see nitrobenzene	...	
Powder, USP 25 lb bxs.....lb	...	1.54	Small Sizes: 1/4 oz. vials, 50c extra;	...		Opium, see crude drugs	...	
With chalk, USP 25 lb bxs....lb	...	.62	1/4s 25c extra; single oz. vls., 7c ex-	...		Orange Mineral, 800 lb casks NY..lb	...	.13 1/2
Meta-Nitroaniline, 300 lb bbls..lb	...	.80	tra, over price for 5 oz. tins. 25 oz.	...		500 lb bbls. NY.....lb	...	.14
Meta-Nitro-para-Toluidine, 300 lb	...		lots in 5 oz. tins, 10c oz. lower than	...		Ortho-Aminophenol, 50 lb kegs..lb	2.35	2.50
bbls.	2.25	2.30	above schedule. Less than 10 oz. lots	...		Ortho-Anisidine, 100 lb dra....lb	2.00	2.10
Meta-Phenylenediamine, 300 lb	...		15c oz. higher than above schedule.	...		Ortho-Dichlorobenzene, 1000 lb dra.	...	
bbls.	1.00	1.10	Musk Ambrette, 1 lb cans.....lb	15.00	16.00	wks.	...	.15
Meta-Toluylenediamine, 300 lb	...		Ketone, 1 lb cans.....lb	14.00	14.50	Ortho-Nitrochlorobenzene, 1200 lb	...	
bbls.	.90	.95	Xylene, 5 lb cans.....lb	3.25	3.50	dra. wks.	...	.32
						Ortho-Nitrophenol, 350 lb bbls..lb	.80	.85

"Baker's"

Dependable CHEMICALS

A FEW OF "BAKER'S" DEPENDABLE
CHEMICALS THAT ARE IN
CONSTANT DEMAND

Acid Molybdic
Acid Phosphoric Anhydride
Ammonium Molybdate, cryst
Ammonium Persulphate, 98%
Calcium Chloride, anhydrous granular
Copper Chloride, cupric
*Nickel Formate
Potassium Binoxalate
Potassium Thiocyanate
Sodium Oxalate
Tin Crystals

*Nickel Formate has been demon-
strated to be a superior catalyzer for oils.
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that Baker's is dependable. What if they had
to test it each time, or even at longer intervals,
to make sure! Baker's Industrial Chemicals
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J. T. BAKER CHEMICAL CO.

PHILLIPSBURG, N. J.

New York Representative: H. B. PRIOR, 17 E. 42nd St. Phone: Vanderbilt 9490

Chemicals

Ortho-Nitrotoluene, 1000 lb. drs. wks. ....	.11 : .12	Para-Phenylenediamine, 350 lb. bbls.	1.50 : 1.00	Phosphorus, red 110 lb. cs. wks. lb. ....	.35 : .50
Ortho-Toluidine, 350 lb. bbls. ....	.14 : .16	Para-Toluene-Sulfonamide, 175 lb. bbls. ....	.40 : .42	Imported, 112 lb. cases. ....	.30
Oxgall, USP 5 lb. bot.	3.00	Para-Toluene-Sulfonchloride, 410 lb. bbls. wks. ....	.11 : .14	Phosphorus Sesquisulfide, 105 lb. cs. wks. ....	.37%
PALLADIUM, metal 10 oz. lots on 51.00 : 53.00		Para-Toluidine, 350 lb. bbls. wks. lb.	1.00 : 1.15	Phosphorus, yellow 110 lb. cs. wks. lb. ....	.32 : .35
Pancreatin, USP 5 lb. bot.	1.25 : 1.40	PARIS GREEN		Imported, 112 lb. cases. ....	.25 : .27%
Papain, 1 lb. bot.	2.15 : 2.25	Arsenic Basis, 500 lb. kegs. ....	.23 : .26	Phosphorus Trichloride, 175 lb. cyl. wks. ....	.30 : .35
Paraffin, ref'd. 200 lb. cs. slabs		Kegs, 100 lbs. ....	.28	Phthalic Anhydride, 175 lb. bbls. lb. ....	.35 : .40
120-125 Deg. M. F. ....	.03% : .03%	Kits, 56, 28, 14 lbs. ....	.29	Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials.	8.00
125-130 Deg. M. F. ....	.04 : .04%	Packages, 5 and 2 lbs. ....	.30 : .32	Nitrate,	8.00
130-135 Deg. M. F. ....	.04 : .04%	Packages, 1 lb., 1/2, 1/4 lb. ....	.32 : .36	Single ounces.	8.25
135-140 Deg. M. F. ....	.05 : .06%	Paris White, see whitening, French		Alkaloid, 15 gr. vls. ....	.75
Para-Aminoacetanilid, 100 lb. kegs.	1.35 : 1.35	Pepsin, USP 5 lb. bot.	2.25 : 2.50	Piperazine Hydrate, 1 lb. bot.	16.00
Para-Aminophenol, 100 lb. kegs. lb.	1.10 : 1.25	PETROLATUM, green 300 lb. bbls. lb. ....	.02% : .03	Pitch, Coal-Tar wks.	30.00 : 33.00
Hydrochloride, 100 lb. kegs.	1.20 : 1.25	Dark Amber 300 lb. bbls. ....	.03% : .04	Master Paris, tech. 230 lb. bbls. bbl.	4.25 : 4.40
Para-Anisidine, 100 lb. kegs.	3.00 : 3.25	Light Amber, 300 lb. bbls. ....	.03% : .04	True Dental, bbls.	4.35 : 4.50
Technical, kegs.	1.65 : 1.75	Cream White, USP 300 lb. bbls. lb. ....	.07 : .07%	Platinum, metal soft 10 oz. lots.	118.00
Para-Dichlorobenzene, 270 lb. bbls. wks. ....	.17 : .20	Lily White, USP 300 lb. bbls. lb. ....	.09 : .09%	Podophyllin, 5 lb. bot.	5.25 : 5.50
Paraldehyde, 100 gal. drs. ....	.35	Snow White, USP 300 lb. bbls. lb. ....	.12 : .12%	POTASH, CAUSTIC, solid 88-92% 700 lb. drs. wks. ....	.08
Paraformaldehyde, USP 100 lb. cs. lb. ....	.52% : .55	PHENOL, see also acid carbolle		Imp., 88-92% 700 lb. drs. NY. lb. ....	.06% : .06%
Para Nitroacetanilid, 300 lb. bbls. ....	.55 : .60	Open market, 950 lb. drs. ....	.33 : .35	USP, by alcohol 5 lb. cans. ....	.46 : .48
PARA-NITROANILINE, 300 lb. bbls. wks. ....	.73 : .78	240 lb. des. drs. ....	.33 : .35	cases. ....	.30 : .35
Para-Nitrochlorobenzene, 1200 lb. drs. wks. ....	.25 : .27	Natural 240 lb. des. drs. wks. ....	.35 : .40	POTASSIUM Acetate, USP 100 lb. kegs. ....	.28 : .29
Para-Nitro-ortho-Toluidine, 300 lb. bbls.	2.75 : 2.85	Imported, 336 lb. des. drs.	1.55 : 1.60	Bicarbonate, crys. 220 lb. bbls. lb. ....	.08 : .09
Para-Nitrophenol, 185 lb. bbls. ....	.72 : .75	Phenolphthalein, USP 100 lb. drs. lb.	12.50 : 14.00	Bichromate, crys. 900 lb. cases wks. ....	.10 : .10%
Para-Nitrodimethylaniline, 120 lb. bbls. ....	.60 : .75	50 p.c.	7.50 : 8.00	Powd., 900 lb. cases wks. ....	.13 : .18%
Para-Nitrotoluene, 350 lb. bbls.	1.50 : 1.60	Phenylacetaldehyde, C.P., 1 lb. bot.	3.00 : 4.00	Binoxide, 300 lb. bbls. ....	.34 : .38
Para-oxy-Benzaldehyde, 100 lb. kegs.	1.35 : 1.40	Phenylacetic Acid, 1 lb. bot.	3.00 : 4.00	Bisulfate, C.P. 5 lb. cans. ....	.30
Para-Phenetidin, 500 lb. drs.	1.35 : 1.40	Phenyl-Alpha-Naphthylamine 100 lb. kegs.	7.00 : 9.00	100 lb. kegs. ....	.32
		Phenylethylalcohol, 1 lb. bot.	12.50	Bromate, 100 lb. cs. ....	.45
		Imported. ....	.60 : .65	BROMIDE, USP cryst. 450 lb. bbls. ....	.26
		Phosgene, cylinders wks. ....	.30 : .35	Granular, 300 lb. bbls. ....	.26
		Phosphorus Oxichloride, 175 lb. cyl. lb.		Cases, 100 lb.27
				Imported, USP 220 lb. cs.17 : .19
				Cases, 112 lb.18 : .20

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NO VARIATION IN QUALITY

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PITTSBURGH, PENN., U. S. A.

Specifications on Request

Chemicals

Potassium—(continued)

CARBONATE, 80-85% calc.		
800 lb cks. ....	.05½	.08
80-85%, hydrated, 800 lb. cks. ....	.07½	.08
90-95% casks ....	.06½	.07
96-98% casks ....	.07	.07½
99% casks ....	.08	.08½
USP, 100 lb kegs ....	.10	.11
Chlorate, crys. 112 lb kgs wks. lb	.08½	.08½
Imp. 112 lb kgs NY ....	.07½	.07½
Powd., 112 lb kgs wks. ....	.08½	.08½
Imp. kgs NY ....	.07½	.07½
Pyrotechnic, fine powd. NY. ....	.08	.09
USP, fine crys. 110 lb kegs NY	.08	.09
Citrate, USP 10 lb cans. ....	.63	.66
Glycerophosphate, 75% Soln. 25 lb tins	1.65	1.70
Guaiacol Sulfonate, 5 lb cans, 10 lb	1.50	1.75
Hypophosphite, 10 lb cans. ....	...	.85
Iodide, USP, 100 lb cases.	3.60	3.65
Second Hands, cases. ....	...	3.55
Lactophosphate, 4 oz bot. ....	...	.90
Metabisulfite, 300 lb bbls. ....	...	.23
Imp., 300 lb bbls. ....	.15	.17
Muriate, 80%, 200 lb bags, NY K ₂ O unit	...	.70
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs. ....	.40	.45
Perchlorate, 112 lb kegs. ....	.09	.10
Permangan, USP crys. 112 lb drs. lb	.15½	.16
USP small cry. 112 lb drms. ....	.15½	.16
Prussiate, red, 100 lb bbls. ....	...	.90
500 lb casks ....	...	.85
Prussiate, yellow, 500 lb casks. ....	.38	.39
Salicylate, 25 lb cans. ....	.70	.72

Potassium—(continued)

Sulfate, 200 lb bags, NY K ₂ O unit	...	.95
USP, VIII, 100 lb kegs. ....	.18	.20
Sulfocyanide, CP 25 lb jars. ....	...	.70
Tartrate, neutral, 100 lb kegs. lb	...	.53
Titanium Oxalate, 200 lb bbls. freight allowed	...	.35
Pumice Stone, lump, 250 lb bbls. lb	.04½	.06
Lump, bags ....	.03½	.05
Powdered, 350 lb bbls. ....	.02½	.03
Pyridine, 50 gal. drums. gal	1.75	1.80
QUICKSILVER, see Mercury		
Quinidine Alk., 100 oz tins. ....	.70	.75
Sulfate, 100 oz tins. ....	...	.50
QUININE SULFATE, USP,		
American, 100 oz tins. ....	...	.50
1 oz tins, 100 oz lots. ....	...	.57
Dutch, 100 oz tins. ....	...	.50
Java, 100 oz tins. ....	...	.50
Japanese, 100 oz tins. ....	...	.50
QUININE ALK., USP, 100 oz tins. ....	...	.67
Acetate ....	...	.88
Arsenate ....	...	.88
Benzoate ....	...	.88
Bisulfate, USP ....	...	.50
Citrate ....	...	.62
Dihydrochloride, USP ....	...	.66
Dibromide ....	...	.66
Dicarbonate, 10 oz tins.	2.50	
Ethyl Carbonate, 16 oz tins. ....	...	.95
Ferrocyanide ....	...	.88
Formate ....	...	.85
Glycerophosphate ....	...	.88
Hydriodide ....	...	.88
Hydrobromide, USP ....	...	.62
Hydrochloride, USP ....	...	.62
Hydrochlorosulfate ....	...	.66

QUININE—(continued)

Hydrochloride & Urea, USP. ....	...	.88
Hypophosphite ....	...	.83
Lactate ....	...	.78
Phenolsulfonate ....	...	.88
Phosphate ....	...	.74
Salicylate, USP ....	...	.63
Tannate, USP ....	...	.45
Tartrate ....	...	.88
Valerate ....	...	.89
Small Sizes: 1 oz vials or cans, 50 oz lots, 5c on extra; 50 oz cans, 50 oz lots 3c on extra; 25 oz cans, 50 oz lots, 2c on extra; single 1 oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100 oz lots in 100 oz cans. Sulfate and bisulfate sold basis 100 oz lots in 100 oz cans. Smaller orders or containers extra as above schedule.		
R SALT, 250 lb bbls. wks. ....	.55	.60
Red Lead, see lead oxide		
Red Precipitate, see mercury.		
Resorcin, see resorcinol.		
Resorcinol tech. 100 lb kegs.	1.50	1.55
USP, 25 lb cans	2.00	2.10
Rochelle Salt, USP, 225 lb bbls. ....	...	.21
Imp. USP, 300 lb bbls. ....	.19	.21
Rosewater, triple, 5 gal. dems. gal	1.15	1.25
Rotten Stone, lump imp., bbls. ....	.07	.03
Lump selected, bbls.09	.12
Powdered, bbls.02	.05
Domestic, bags, mines. ton	24.00	30.00



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Quinine Ethyl Carbonate
Quinine Dicarbonate
Londocaine
Londesine

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Cable "Dockendorf,"



Chemicals

SACCHARIN , USP, 1 lb cans, 25 lb				Soap , Castile, 40 lb bxs.....lb	.20	: .25	SODIUM ACETATE , crys 450 lb bbls				
Soluble, USP, 1 lb cans, 25 lb..lb	1.90	: 2.00		Powd. USP, 250 lb bbls.....lb	.28	: .29	wks. ....	.08	: .08½		
Safrol, 60 lb cans .....	.55	: .60		Green, USP, 150 lb kegs.....lb	.06½	: .07	Ton lots, bbls wks.....lb	.07½	: .08		
Sal Ammoniac, see Ammon. Chloride				Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.							
Salicin, USP, 1 lb cartons, 25 lb..lb	5.00	: 5.25		SODA ASH , 58% light bgs NY			Aluminum Sulfate, see alum soda.				
Salol, USP, 100 lb drums.....lb	.90	: .95		flat, ex-warehouse ....100 lb	...	: 2.01	Benzoate, USP, 250 lb bbls...lb	.57	: .60		
Second Hands .....	.85	: .90		Contract, Basis 48% bags c/l			Bicarbonate, 400 lb bbls..100 lb	...	: 2.15		
Salt, Common, see sodium chloride.				wks	100 lb	: 1.20	Bbls c/l wks.....100 lb	...	: 1.75		
Salt Cake, c/l f.o.b. wks.....ton	28.00	: 30.00		Prompt and spot, Basis 48% bags			112 lb kegs	100 lb	: 2.00		
SALTPETRE , Double Refined				c/i wks	100 lb	: 1.25	112 lb kegs, NY.....100 lb	...	: 2.40		
Granular, 400-500 lb bbls.				Soda Ash , 58% dense, bags ex-			Bichromate, 600 lb casks wks..lb	.07½	: .08		
c/l wks .....	.06½			warehouse, NY ....100 lb	...	: 2.07	Casks, c/l wks.....lb	.07½	: .07¾		
Less c/l works, bbls.....lb	.06½			Contract, Basis 48% bags c/l			Bisulfite, dry powder, 500 lb				
Large Crystals, 350-400 lb bbls.				wks	100 lb	: 1.25	bbls, wks .....	.04	: .04½		
c/l wks .....	.08			Pmpt. and spot, Basis 48% bags			Solution, 32-40°, 500 lb bbls				
Small Crystals, 350-400 lb bbls.				c/l wks	100 lb	: 1.30	wks	100 lb	: 1.15	: 1.80	
c/l wks .....	.07½			SODA , CAUSTIC, 76% solid, resale,			Bromide, USP, Cryst 500 lb bbls				
Powdered, bbls. c/l wks.....lb	.08			NY flat	100 lb	: 3.60	Cases, 100 lb .....	.25			
Imported, 500 lb bbls, NY.....lb	.06½	: .08½		76% solid drs. ex-warehouse			Imp. USP, 112 lb cs.....lb	.18	: .20		
Santonin USP, 1 lb bot	172.00	: 175.00		NY	100 lb	: 3.72	Cacodylate, USP, 5 lb bot.				
Powd. 1 lb bot	173.50	: 176.50		Contract basis 60% c/l wks			25 lb	6.00	: 6.25		
Saponin, ex Quillaia, 5 lb tins...lb	1.25	: 1.56		100 lb	2.50		Carbonate, sal soda, 350 lb bbls				
Schaeffer's Salt, 250 lb bbls.wks..lb	.60	: .65		Pmpt and spot, Basis 60%			lc/l wks	100 lb	: 1.30	: 1.35	
Scopolamine, see hyoscyne.				c/l wks	100 lb	: 2.57½	Ton lots, wks.....100 lb	...	: 1.25		
Seidlitz Mixture, 225 lb bbls....lb	.17	: .18		Contract 60% low grade c/l			USP monohyd, 100 lb keg..lb	...	: .05½		
SILICA				wks flat	100 lb	: 2.85	Pure photographic, 100 lb				
Crude, bulk, mines.....ton	10.00	: 12.00		Ground & flake, 76% pmpt and			keg .....	.08	: .09		
Refined, floated, bags.....ton	18.00	: 30.00		spot, wks c/l drs.....100 lb	...	: 3.72½	Chlorate, 112 lb kegs, wks...lb	.06½	: .07		
Air floated, bags	32.00	: 50.00		Contract, 76% drums, c/l wks			Imported, 112 lb kegs.....lb	...	: .06½		
Extra, floated, bags.....ton	55.00	: 65.00		flat	100 lb	: 3.65	Chloride, tech 200 lb bags,ton	12.00	: 15.00		
SILVER , metal, American.....oz	...	: .99½		76% drs. ex-warehouse NY100 lb	...	: 4.16	C. P. 300 lb bbls.....lb	.05	: .06		
Foreign .....	...	: .63		USP, stick, 10 lb cans.....lb	.19	: .21	Citrate, USP, IX, 100 lb kegs..lb	...	: .62		
Colloidal, 16oz bot.....oz	...	: 1.60		Pure, stick, by alcohol.....lb	.25	: .27	USP, VIII, 100 lb kegs...lb	...	: .55		
Nitrate, USP, 200oz bot.....oz	.42½	: .43					Cyanide, 96-98%, 100 lb cases				
Nucleinate, 16oz bot.....oz	.33	: .37					NY24	: .25		
Proteinates, 16oz bot.....oz	.34	: .39					Ton lots, NY.....lb	...	: .23		

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Aconitine and Salts
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Cocaine and Salts
Codeine and Salts
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Colchicine Salicylate
Creosote, U. S. P.
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Guaiacol Carbonate
Homatropine and Salts
Hydrastine and Salts
Hydrastine Hydrochloride
Hyoscyne Hydrobromide
Hyoscyamine and Salts
Morphine and Salts
Phenolphthalein
Pilocarpine and Salts
Potassium Guaiacol
Sulphonate "Alta" Brand
Salicin
Saponin Purified
Scarlet Red Medicinal
Genuine "Biebrich"
Silver Proteinates
Sodium Cacodylate
Sparteine Sulphate
Strophanthin
Strychnine and Salts
Theobromine and Salts
Veratrine and Salts
Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

Sodium—(continued)


Glycerophos, USP, crys 25 lb cans	1.70	1.75
Powder, 25 lb tins	1.75	1.80
Solution, USP 25 lb tins	1.00	1.05
Hydrosulfite, 200 lb bbls, fob, wks. lb	.19	.22
Hydroxide, see Soda Caustic		
Hypophosphite, USP, 25 lb cans		.75
HYPOSULFITE, tech. pea crys.,		
375 lb bbls. wks. 100 lb	3.80	3.85
Bbls c/l wks. 100 lb		3.45
100 lb kegs wks. 100 lb	3.95	4.25
Granulated, bbls. wks. 100 lb	3.85	4.05
Bbls. c/l wks. 100 lb		3.95
Kegs wks. 100 lb	4.20	4.50
Regular crystals 25c per 100 lb	3.00	3.25
Iodide, USP, 25 lb jars		4.00
Metanilate, 150 lb bbls	.80	.82
Naphthionate, 300 lb bbls		.58
Nitrate, crude, 95%, 200 lb bgs c/l NY		2.57½
Futures, NY		2.60
Double Refined, 400 lb bbls wks	.04½	.04%
Nitrite, 500 lb bbls wks	.09	.09½
Bbls spot, makers		.10
Imp. 650 lb casks	.08½	.08½
Ortho-Chloro-para-Toluene Sul-		
fonate, 175 lb bbls wks. lb	.25	.27
Oxalate, neutral, 100 lb kegs. lb		.47
Perborate, 275 lb bbls		.24
Imp., 225 lb drs	.18	.19
Peroxide, 200 lb cases	.25	.27
Phosphate, di-sodium, tech 550 lb bbls	.03½	.04½
USP, gran. 275 bbls	.07	.07½
Imp. gran.	.05½	.06
USP, recryst 275 bbls	.10	.11
Mono-sodium 100 lb kegs	.25	.27
Tri-sodium tech. 550 lb bbls	.04½	.05½
Picramate, 100 lb kegs		.60

Sodium—(continued)

Para-Toluene Sulfonate, 175 lb		
bbls	.08	.09
PRUSSIAN, yellow, 450 lb cks. lb	.19	.19½
Pyrophosphate, 100 lb kegs	.18	.22
Salicylate, 100 lb kegs	.47	.49
Second Hands, USP, kegs. lb	.42	.45
Silicate, 60° 700 lb bbls. f.a.s. NY		2.00
Works, 1000 lb drums		1.90
Works, tanks		1.75
40° domestic, 700 lb c/l f.a.b. wks.	.95	1.10
Works, 1000 lb drums		.82½
Works, tanks		.72½
Spot, drums, bbls.	1.25	1.50
Silicofluoride, 450 lb bbls NY. lb	.07%	.08
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650 lb drs wks.	.05	.05½
Drs. c/l wks		.03½
Imp. 700 lb drs NY		.04
60% broken, 650 lb drs wks. lb	.05½	.05%
Imp. 500 lb drs NY		.04½
30% crys. 400 lb bbls wks. lb	.02½	.03½
Sulfite, crys. 400 lb bbls wks. lb	.03½	.03%
Dessicated, 400 lb bbls	.09½	.10
Sulfocarbolate, USP, 100 lb		
kegs	.41	.43
Sulfocyanide, 400 lb bbls	.45	.47
Tungstate, crys 100 lb kegs		.55
Dessicated, kegs		.65
Solvent Naptha, see Naphtha.		
Sparteine Sulfate, USP, 25oz bulk. oz	.60	.70
Single oz. vial		.60
Starch, rice, 140 lb bags	.09	.10

STRONTIUM Bromide, USP, 100 lb

kegs		.33
Carb. 600 lb bbls. wks.		.07
100 lb kegs wks.		.08
Iodide, USP, 25 lb jars		3.90
Nitrate, 600 lb bbls. wks.	.11	.11½
Imp. bbls. NY	.08½	.10
Salicylate, USP, 100 lb kegs		.65
STRYCHNINE Alkaloid, USP, crys		
100oz tins		1.15
Alk. powd, USP		1.05
Acetate		1.05
Glycerophosphate, USP		1.05
Hydrobromide		1.05
Hydrochloride		1.05
Hypophosphite		1.15
Nitrate, USP		1.05
Phosphate		1.05
Sulfate, USP, crys powd.		.84
Saccharinate		3.15
Strychnine preparations quoted bases 100oz lots in 100oz tins. Small Sizes; ½oz vials, 50c extra; ¼oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 oza. 5c higher than above schedule. Lots of less than 25 oza. 10c higher per oz.		
Sugar Milk, USP, 200 lb bbls	.21	.22
Second Hands, USP, bbls	.21	.22
Sulfonal, see Sulfonmethane.		
Sulfonmethane, USP, 5 lb bxs		4.25
Sulfonethylnmethane USP, bxs, 5 lb		5.25
SULFUR, crude, bulk, c/l NY. ton		18.00
Crude, f.o.b. plant	14.00	15.00
Brimstone, 250 lb bgs, c/l 100 lb	1.75	1.95
Less c/l bags NY	1.85	2.10
Roll, 500 lb bbls c/l NY. 100 lb		2.15
Less c/l bags NY	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb bbls, NY	2.60	3.15



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Chemicals

SULFUR—(continued)

Commercial, 99%, 150 lb bgs		
NY	1.35	1.65
For Dusting, 99%, 100 lb		
bgs NY	2.00	2.50
Flowers, 100%, 240 lb bbls		
NY	3.00	3.55
Precipitated, 125 lb bbls NY	.15	.18
Lac, 125 lb bbls NY	.07	.10
Sulfur Chloride, red, 700 lb drs		
wks	.05½	
150 lb cbs wks	.06	
Yellow, 700 lb cbs wks	.05	
150 lb cbs wks	.05½	
Sulfur Dioxide, 100 lb cyl	.08	.08½
Sulfuric Ether, see Ether.		
Sulfuryl Chloride, 600 lb drs	.70	
TALC, Italian, 220 lb bags NY	35.00	40.00
Refined, white, bags	42.00	55.00
French, 220 lb bags NY	25.00	30.00
Refined, white, bags	32.00	45.00
Dom, crude, 100 lb bags NY	15.00	18.00
Refined, 100 lb bags NY	30.00	30.00
Tartar Emetic, tech. 700 lb bbls	.27	.27½
USP, 300 lb bbls	.34½	.35½
Terpin Hydrate, USP, 100 lb kegs	.73	.75
Terpinol, CP 1000 lb drums	.50	.60
Cans, 50 lb	.55	.60
Imported, cans, 25 lb	.70	.75
Terpenyl Acetate, 25 lb cans	1.75	2.00
Terra Alba, No. 1, 300 lb bbls	1.85	1.90
No. 2, bbls	1.25	1.35
Theobromine Alk., 5 lb cans	.00	6.00
and Sod. Salicylate, 1 lb bot.	.00	4.00
Thiocarbamid, 170 lb bbls	.35	.37
Thymol, USP, 10 lb cans	4.00	4.25
Iodide, 5 lb boxes	6.75	7.00
TIN, Metal Straits, NY	38.75	
American standard, NY	38.00	
99% American, NY	37.50	
C.P. mossy, 25 lb bxs NY		

Tin—(continued)

Bichloride, 50% soln 100 lb		
bbls wks	.10½	.10½
Crystals, 500 lb bbls, wks	.32½	
100 lb kegs, wks	.33	
Oxide, 400 lb bbls, wks	.43	
100 lb kegs wks	.44	
Tetrachloride, 1000 lb drs wks	.21½	.22
Telluride, 350 lb bbls	1.15	1.20
Sulfate, 350 lb bbls	1.00	
Toluene, 8000 gal tank cars, wks	.30	
110 gal drs wks	.35	
Toluidine, Mixed, 900 lb drs wks	.30	.32
Tribromophenol, 100 lb cases	1.00	
Trional, see Sulfonethymethane.		
Triphenyl Phosphate, 450 lb bbls	.45	
Tripoli, 500 lb bbls	2.50	3.00
Tungsten NY	7.50	8.00
UREA, pharm 112 lb cases	.40	
VANILLIN, USP, 400 oz cans	.43	.45
Cans, 80 oz	.45	
Cans, 16 oz	.46	
Vermillon, Amer. 100 lb kegs	.35	
English, kegs	1.30	
Veratrine Sulfate, 1 oz vial	2.50	
Hydrochloride, 1 oz vial	2.50	
WHITE LEAD, see lead, white.		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/1 wks	18.00	
Bags, 1/c1 wks	20.00	
Gilders, bags	13.50	15.00
French, bags, NY	18.00	
English, bags, NY	23.00	
Witch Hazel Extract, 50 gal bbls	1.20	1.25

XYLENE, 2° dist range, nitration		
tkw wks	.45	
110 gal drs wks	.50	
5° dist range, 8000 gal tanks		
wks	.40	
110 gal drs wks	.45	
Xylidine, 900 lb drs	.42	.45
YARA YARA, 1 lb tins	2.00	2.50
Yohimbin Eydchlide, 1 oz. vial	11.50	
ZINC, METAL, high grade, slabs		
c/1 NY	8.25	
Common Slabs, c/1 NY	7.40	7.45
Mossy, 25 lb bxs NY	.15	
Ammonium Chloride, soln, 400 lb		
bbls	.14	.16
Carb. tech, 150 lb kegs NY	.14	.16
USP, 100 lb kegs	.30	
Chloride, fused, 600 lb drs wks	.07	
Drs. c/1 wks	.05½	
Imp. drs NY	.06	.08½
Granulated, 500 lb bbls wks	.08	.09
Imported, drs. NY	.05	.05½
USP, 25 lb jars	.30	
Cyanide, 100 lb drs	.42	.43
Dust, 100 lb tins wks	.09	.11
500 lb bbls, kegs, 1/2 wks	.09½	.09½
500 lb bbls, kegs, c/1 wks	.08½	.09
Iodide, 5 lb bottles	5.00	
Nitrate, 25 lb jars	.35	
Oxide, Amer. 300 lb bbls, wks	.07½	.08
Bbls c/1 wks	.07½	
French, 300 lb bbls wks	.09½	.11½
Bbl c/1 wks	.09	.09½
Bags, c/1 wks	.08½	.09
Imported, white seal, bbls	.12%	
Green seal, bbls	.10	
USP, 100 lb bbls	.15	.17
Stearate, USP, 60 lb bbls	.19½	.21
Sulfate, 400 lb bbls wks	.03½	.03½
Bbls c/1 wks	.02	.02½
USP, 100 lb kegs	.08	.09
Sulfocarbonate, 100 lb kegs	.40	.42

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Oils and Fertilizers

Oils

Castor, No. 1 400 lb bbls.....	.12%	.12%
80 lb cases13%	.14
No. 3, bbls.....	.11%	.12
China Wood, bbls, spot NY.....	.13%	.14
8000 gal. tks. NY.....	..	.13%
Jan. Feb. forward, tanks, NY.....	..	.13%
Mar-Apr. forward, tanks, NY.....	..	.13%
Coast, tanks, Jan. forward.....	..	.12
Coconut Ceylon, 375 lb bbls. NY.....	.08%	.09
8000 gal. tanks, NY.....	.07%	.08
Cochin, 375 lb bbls, NY.....	.09%	.09%
Tanks, NY.....	.08%	.08%
Manila, tanks Coast.....	.07%	.07%
Edible, bbls. NY.....	.10%	.11
Cod. Newfoundland 50 gal. bbls.gal	.60	.59
Tanks, NY.....	.05	.05%
Copra, bags .....	.13	.13%
Corn, ref. 375 lb bbls, NY.....	.08%	.09
Crude, tanks mills.....	.09%	.09%
Bbls. mills .....	.10%	.11
Bbls. NY .....	..	.11
COTTONSEED, crude tks. mills.....	..	.09%
P. S. Y. 100 bbl. lots NY.....	..	.10%
White, 100 bbl. lots NY.....	..	.12
Winter yellow, 100 bbls. NY.....	..	.12%
Degras, Amer. 50 gal. bbls. NY.....	..	.04%
English, bbls. NY.....	..	.10
Neutral, bbls. NY.....	..	.09%
Grease, choice white bbls. NY.....	..	.07%
Yellow .....	..	.06%
Brown .....	..	.06%
House .....	..	.06
Bone naphtha .....	..	.06%
Herring, Tanks, Coast.....	..	.06%
Horse, 375 lb bbls. NY.....	..	.14
Lard, prime steam bbls.....	..	.12
Compound, bbls.....	..	.15
LARD OIL, Edible prime, bbls.....	..	.13%
Off prime, bbls.....	..	.13%
Extra, bbls.....	..	.12%
Extra No. 1, bbls.....	..	.11%
No. 1 bbls.....	..	.11%
No. 2 bbls.....	..	.11%

LINSEED, raw c/l bbls spot.....	gal	..	.80
Five bbls, raw	gal	..	.83
Bolled, 5 bbl. lots.....	gal	..	.95
Double bolled 5 bbl. lots.....	gal	..	.96
Raw, Jan. c/l bbls.....	gal	..	.87
Feb-Apr. c/l bbls.....	gal	.86	.84
Imported, bbls., NY.....	gal	..	.85
Imp. shipment, duty paid bbls.gal	..	..	.82
Menhaden, crude bbls. wks.....	gal	..	.50
Crude, tanks wks Balt.....	gal	..	.48
Light strained, tanks.....	gal	.58	.60
Light strained, bbls. NY.....	gal	.60	.62
Yellow bleached, bbls. NY.....	gal	.62	.64
Blown, bbls. NY.....	gal	.72	.74
Neatsfoot, 20° c.t. bbls. NY.....	lb	.18	.20
30° cold test, bbls. NY.....	lb	.15%	.15%
Prime, bbls. NY.....	lb	.12%	.13%
Oleo Oil, No. 1, bbls NY.....	lb	.13%	.13%
No. 2, bbls. NY.....	lb	.10%	.10%
No. 3, bbls. NY.....	lb	.09%	.09%
OLIVE, denatured bbls. NY.....	gal	1.15	1.17
Edible, bbls. NY.....	gal	1.75	2.20
Foots, bbls. NY.....	lb	.09	.09%
Palm Lagos, 1500 lb casks.....	lb	.08	.08%
Niger, casks	lb	.06%	.06%
Bonny old Calabar, casks.....	lb	.06%	.07
Palm Kernel, 1500 lb casks NY.....	lb	.08%	.09
Peanut, refined bbls. NY.....	lb	.16	.16%
Crude, mills buyers' tks.....	lb	.12	.12%
Crude, bbls. NY.....	lb	.12%	.13
Crude, Coast, sellers tks in B/dlb	..	..	.07%
Pertilla, bbls. NY.....	lb	..	..
Shipment, c.i.f. NY bbls.....	lb	.13%	.14
Shipment, c.i.f. NY c/s.....	lb	.13%	.14
Poppseed, bbls. NY.....	gal	..	2.50
Rapeseed, refined bbls. NY.....	gal	.83	.85
Blown, bbls. NY.....	gal	.98	1.00
Red Oil, distilled bbls.....	lb	..	.10%
Saponified, bbls.....	lb	..	.10%
Salmon, 8000 gal. tks. Coast.gal	..	..	.45
Sesame, domestic edible bbls.....	gal	..	1.25
Sod Oil, bbls. NY.....	gal	..	.45

SOYA BEAN, crude tks. Coast.....	lb	.09	.09%
Crude, bulk c.i.f. NY in bond.....	lb	.08%	.07
Crude, bulk c.i.f. PC in bond.....	lb	.05%	.06
Crude, bbls. NY.....	lb	.10%	.11
Refined, bbls. NY.....	lb	..	.12%
Amer. pressed, crd. bbls. NY.....	lb	.11	.11%
Sperm, 38° c. t. blehd. bbls. NY.gal	..	..	1.05
45° cold test, blehd. bbls. NY.gal	..	..	1.03
TEARIC ACID, s. p. 200 lb bags.....	lb	..	.11
Double pressed, bgs.....	lb	..	.11%
Triple pressed, bgs, saponified.....	lb	..	.13
Triple pressed, bgs, distilled.....	lb	..	.13%
Triple pressed, bgs saponified.....	lb	..	.10
Stearine, oleo, bbls.....	lb	..	.12%
Lard, bbls.....	lb	..	.09%
Tallow, edible, tierces.....	lb	..	.08
City extra, loose.....	lb	..	.10%
Tallow Oil, acidless tks, NY.....	lb	..	.12
Bbls, c/l NY.....	lb	..	.12%
Tessed, crude bbls. NY.....	lb	..	.11%
Walnut, crude bbls. NY.....	lb	..	.11%
Whale, nat. winter bbls. NY.....	gal	..	.70
Blehd. winter bbls. NY.....	gal	..	.75
Crude, No. 1, tanks Coast.....	lb	..	..
Crude, No. 2, tanks Coast.....	lb	..	.06%
Crude No. 3, tanks Coast.....	lb	..	..

Fertilizer Materials

Ammon. Sulf. bulk wks.....	100 lb	..	3.20
Double bgs. f.a.s. NY.....	100 lb	..	3.55
Blood, dried f.o.b. NY.....	unit	..	4.65
Bone, 3 & 50 ground raw.....	ton	28.00	30.00
Raw, Chicago	ton	..	35.00
Cyanamide wks.....	unit	..	2.25
Fish Scrap, dried wks.....	unit	5.15	.10
NITRATE SODA, NY.....	100 lb	..	2.60
Phosphate Rock, f.o.b. mines,	..	..	..
Florida pebble, 68-75%.....	ton	3.00	5.50
Tennessee, 70-75%.....	ton	3.00	3.25
Phosphate Acid, 16% wks.....	ton	..	10.00
Potassium Muriate, 80%.....	unit	..	.70
Sulfate	unit	..	.95
Steamed Bone Meal, NY.....	ton	25.00	30.00
Tankage, ground NY.....	unit	4.65	.10
High grade, f.o.b. Chicago.....	unit	4.65	.10

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Tannins and Dyestuffs

Naval Stores

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Spirits Turpentine, bbls.....gal	1.47
Wood Turpentine, stm. distd. bbls.gal	1.40
Destructive distilled, bbls.....gal	1.29
Pitch, prime.....bbl	6.00
Resins. (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)	
B.....280 lb	6.20
D.....280 lb	6.30
E.....280 lb	6.30
F.....280 lb	6.30
G.....280 lb	6.30
H.....280 lb	6.30
I.....280 lb	6.30
K.....280 lb	6.50
M.....280 lb	6.75
N.....280 lb	6.90
WG.....280 lb	7.50
WW.....280 lb	8.00
Resin Oil, first run 50 gal. bbls.gal	.43
Second run, bbls.....gal	.47
Tar, kiln-burnt.....bbl	12.50
Rectors.....bbl	12.00

Woods

Barwood, chips.....lb	.04%	.05
Camwood, chips.....lb	.09	.13
Divi Divi, pods 100-200 lb bags.ton	32.00	34.00
Fustic, sticks.....ton	35.00	37.00
Chips.....lb	.04	.06
Hemlock, bark.....ton	16.00	18.00
Hyperic, chips.....lb	.06%	.07
LOGWOOD, sticks.....ton		30.00
Chips 150 lb bags.....lb	.02%	.03
Mangrove bark, African.....ton		35.00
Bark, South American.....ton	25.00	30.00

Myrabolans, 150 lb bags J1.....ton	28.00
B1.....ton	24.00
R2.....ton	17.00
Nutgalls, see Crude Drugs.	
Oak bark, whole.....ton	20.00
Ground.....ton	25.00
Quercitron bark, rough.....ton	10.00
Ground.....ton	20.00
Sumac, Sidal, 160 lb bags.....ton	55.00
Virginia, 150 lb bags.....ton	35.00
Valonia Cups, 28-33% tan.....ton	31.00
Beard, 40% tan, 150 lb bgs.ton	48.00
Wattle bark, 150 lb bags.....ton	38.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....lb	.26	.29
Archil, double 600 lb bbls.....lb	.16	.18
Triple, 600 lb bbls.....lb	.17	.19
Conc., 600 lb bbls.....lb	.18	.20
Chestnut, clarified, 25% tks. wks.ton	.01%	.01%
Powd., 60% 100 lb bla. wks.lb	.05%	.05%
Decolorized, bbls. wks.....lb	.09	.09%
Cudbear, English.....lb	.21	.23
Cutch, Rangoon, 100 lb bales.....lb	.13	.16
Liquid, 450 lb bbls.....lb	.10	.11
Tablets, 120 lb boxes.....lb	.13	.14
Flavine.....lb	.90	.95
Fustic, solid 50 lb boxes.....lb	.14	.18
Crystals, 100 lb boxes.....lb	.22	.24
Liquid, 51°, 600 lb bbls.....lb	.10	.14
Gal extract.....lb	.16	.18
Gambler, 25% liq. 450 lb bbls.....lb	.06%	.07
Common, 200 lb cases.....lb	.05%	.05%
Singapore cubes, 150 lb bags.....lb	.07	.07%
HEMATINE, Paste, 500 lb bbls.....lb	.11%	.13%
Crystals, 400 lb bbls.....lb	.16	.20
Hemlock, 25% 600 lb bbls. wks.....lb	.04	.04%
Hyperic, 51°, 600 lb bbls.....lb	.15	.20
Indigo, Madras bbls.....lb	.85	.80
Manila, bbls.....lb		1.30

Larch, 25%, 600 lb bbls, wks.....lb	.03%	.03%
Powd. 100 lb bags, wks.....lb	.07%	.08
Logwood, 51°, 450 lb bbls.....lb	.08	.10
Solid, 50 lb boxes.....lb	.15	.21
Madder, Dutch.....lb	.28	.30
Mangrove, 55% 400 lb bbls.....lb	.05%	.05%
Myrabolans, 25% liquid bbls.....lb	.05	.05%
50% solid, 50 lb boxes.....lb	.06%	.06%
Oak, tanks wks.....lb	.04%	.04%
23-25% liq. 600 lb bbls. wks.....lb	.05	.05
Osage Orange, 50° Liquid.....lb	.07	.08
Powd. 100 lb bags.....lb	.15	.16
Persian Berries.....lb	.27	.30
QUEBRACHO, 35% liquid tks.....lb	.03%	.04
450 lb bbls.....lb	.04%	.04%
35% bleaching, 450 lb bbls.....lb	.04%	.05%
Solid 65% 100 lb bales.....lb	.04%	.05
Clarified bales.....lb	.05%	.05%
Quercitron, 51° 450 lb bbls.....lb	.06	.07
Powdered, 100 lb boxes.....lb	.09	.13
Spruce, 25% liquid tanks wks.....lb	.01	.01%
Powd. 50% 100 lb bags wks.....lb	.02	.03%
Sumac, liquid 450 lb bbls.....lb	.07	.09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. lb	.80
Blood, domestic, 100 lb drs.....lb	.35
British Gum, 140 lb bags c/l 100 lb	3.39
Bags lc/l.....100 lb	3.67
Dextrin, corn 140 lb bags c/l 100 lb	3.09
Bags lc/l.....100 lb	3.37
Potato 140 lb bags c/l.....100 lb	.09
Bags lc/l.....100 lb	.09%
Prussian blue.....lb	.60
Sago Flour, 150 lb bags.....lb	.03%
Spray Yolk 150 lb cs.....lb	.35
STARARCH, powd. 140 lb bgs.c/100 lb	2.47
Bags lc/l.....100 lb	2.75
Pearl, 140 lb bags c/l.....100 lb	2.37
Potato, domestic, 140 lb bags.....lb	.05%
Imported, bags duty paid.....lb	.06%
Tapioea Flour, high grade bags.....lb	.05
Medium grade, bags.....lb	.03%
Low grade, bags.....lb	.03%
Turkey Red Oil, bbls.....lb	.09
Yolk Oil, bbls.....lb	.35

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Crude Drugs

Crude Drugs					
Aceroides Gum, yel.,18	: .20	Bamboo Brier Root, bags.....	.06	: .07
ACONITE Leaves, bales.....	.20	: .22	Barberry Bark, tree bales.....	.22	: .24
Aconite Root, USP, bags.....	..	..	Bayberry Bark, bales.....	.11	: .12
Agar Agar, 1, 200 lb bales.....	1.60	: 1.65	Wax, bbls.....	.28	: .30
No. 2, bales.....	..	..	Belladonna Leaves, bales.....	.17	: .18
No. 3, bales.....	1.45	: 1.50	Root, bags.....	.12	: .13
Agaric, white, cases.....	..	..	Bees Wax, white bbls.....	.37	: .38
Almonds, bitter bags bxs.....	.30	: .35	Yellow, refined bbls.....	.23	: .26
Sweet, bags.....	.45	: .46	Crude, bags.....	.20	: .22
Meal, tins, boxes.....	.28	: .30	Benzoin Gum, Siam, boxes.....	1.40	: 1.60
Aletris Root, bags.....	.60	: .62	Sumatra, 80 lb boxes.....	.38	: .40
Alkanet Root, bags.....	.08	: .10	Berberis Aquifolium Root, bags..	.16	: .17
Aloes, Barbados, 120 lb bbls.....	.70	: .75	Beth Root, bags.....	.18	: .20
Cape, 400 lb cases.....	.07	: .07½	Blackhaw Bark, root, bales.....	.35	: .40
Curacao, 100 lb cases.....	.06	: .06½	Tree, hales.....	.16	: .18
Socotrine, whole 100 lb cs.....	.28	: .30	Rlood Root, bags.....	.13	: .15
Althea Root, cut cases.....	.13	: .14	Blueflag Root, bags.....	.23	: .25
Whole bags.....	.09	: .10	Boneset Herb, bales.....	.08	: .10
Ambergris, black boxes.....	..	: 8.00	Borage Flowers, bales.....	.28	: .30
Grey, boxes.....	..	: 28.00	Bryonia Root, bags.....	.10	: .11
Ammoniac, tears, bags.....	1.35	: 1.40	BUCHU LEAVES, short, 250 lb		
Angolica Root, dom. bags.....	.14	: .15	Less bales.....	..	: 1.10
Angelura Bark, bags.....	.14	: .15	Long, bales.....	1.12	: 1.15
Anise, Levant bags.....	.17	: .17½	Buckthorn Bark, bales.....	.07½	: .08
Star, cases.....	.14½	: .15	Hurdock Root, bags.....	..	: .27
Spanish, bags.....	.19½	: .20	Burgundy Pitch, dom. 110 lb stands	..	..
Annatto Seed, bags.....	.05	: .05½	Gross for net.....	..	: .05
ARABIC GUM, 200 lb cases.....	.25	: .27	Calabar Beans, bags.....	.14	: .16
Seconds, 250 lb bags.....	.20	: .22	Calamus Root, bleached cases.....	.40	: .42
Sorts, amber, 200 lb bags, bbls.	.15½	: .16	Unbleached, bags.....	.07½	: .08
Powd., USP 300 lb bbls.....	.20	: .21	Calendula Petals, imp. bales.....	..	: .40
Areca Nuts, 150 lb bags.....	.09	: .10	Calisaya Bark, bales.....	.12	: .14
Powd., 200 lb bbls.....	.12	: .14	Camphor, see Chemicals	..	..
Arnica Flowers, bales.....	.14	: .15	Canary Seed, Morocco bags.....	.06	: .06½
Root, bags.....	.20	: .30	South American, bags.....	.04½	: .04¾
Arrowroot, Amer. powd. bbls.....	.05½	: .06	Candella Wax, bags.....	..	: .35
St. Vincent, powd. bbls.....	.10½	: .11	Canella Alba Bark, bales.....	.45	: .47
Asafetida, USP, 250 lb cases.....	.32	: .35	Cannabis, true imp. bags.....	..	: 5.75
Powd., 50 lb bxs.....	.60	: .62	American (no assay) bales.....	..	: .90
BALM GILEAD BUDS, bags.....	.43	: .45	USP, bales.....	1.50	: 2.00
Balmouy Herb, bales.....	.14	: .15	Cantharides, Chinese cases.....	..	: 1.10
			Powd., boxes.....	1.30	: 1.35
			Cantharides, Russian, cases.....	2.00	: 2.10
			Powdered, boxes.....	2.75	: 3.00
			Caraway Seed, African bags.....	..	..
			Dutch, 100 lb bags.....	.30	: .31
			Cardamom bleached cases.....	.90	: 1.15
			Decoricated, cases.....	.65	: .69
			Green, grinding, bags.....	.75	: .77
			Carnauba Wax, Flor. bags.....	.45	: .48
			No. 1 N Country bags.....	.40	: .43
			No. 2 N Country bags.....	.23	: .25
			No. 3 Fatty Gray, bags.....	.20	: .21
			No. 3 Chalky, bags.....	.16½	: .17
			Cascara Amara, 150 lb bales.....	.30	: .32
			Cascara Sagrada, bales.....	.13½	: .14
			Cascarella Bark, quills bales.....	.30	: .35
			Siftings, bbls.....	.20	: .25
			Cassia Buds, 66 lb cases.....	.13	: .14
			China, select, mata cases.....	.06	: .08
			Salgon, assort. bales.....	.25	: .25½
			Cassia Fistula, baskets.....	.10	: .11
			Castor Beans, bags.....	.03	: .03½
			Castoreum, 1 lb bot.....	..	: 4.00
			Catechu Gum, bags.....	.09	: .10
			Catnip Herb, bales.....	.12	: .15
			Celery Seed, 220 lb bags.....	.23	: .23½
			Ceresin Wax, white bags.....	.08½	: .09
			Yellow, 200 lb bags.....	.07½	: .08½
			CHAMOMILE FLOWERS, Roman	..	..
			bales.....	1.25	: 1.40
			Hung. cases bales.....	.19	: .20
			Charcoal Willow, powd. bbls.....	.06	: .07
			Wood, powd. bbls.....	.04	: .05
			Chestnut Bark, bags.....	.07	: .08
			Herb, bales.....	.06	: .06½
			Chicle Gum, bags.....	.80	: .90
			Chiretta, bales.....	.13	: .14
			Cinchona Bark, red quills bales.....	.50	: .55
			Broken, bales.....	.12	: .13
			Cinnamon, Ceylon, bales, bond.....	.16	: .21
			Civet, Abyssin horns.....	2.75	: 2.85
			Clover Tops, bags.....	.10	: .12
			Cloves, Zanzibar, 135 lb bales.....	.28	: .27
			Amboyas, bales.....
			Penang, bales.....

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Cochineal, USP boxes.....lb	.40	: .45	Dogwood Bark, Jamaica bags.....lb	.10	: .11	Grindelia Robusta Herb, bales.....lb	.09	: .10
Coca Leaves, Huancoco bags.....lb	..	..	Flowers, bales.....lb	..	: .15	Guaiac Gum, 800lb cases.....lb	.48	: .50
Truxillo, bags.....lb	.40	: .45	Doggrass Root, USP cut bags.....lb	.12	: .14	Guarana, tins, cases.....lb	.70	: .90
Cobosh Root, Black bags.....lb	.08	: .08½	Dragons Blood, mass cases.....lb	.60	: .62	Gum, see Arabic Gum, etc.		
Blue, bags.....lb	.09	: .09½	Reeds, boxes.....lb	1.25	: 1.50	HELLEBORE ROOT,		
Colchicum Root, bags.....lb	.54	: .60	ECHINACEA ROOT, bags.....lb	.33	: .34	Black, pld. bbls.....lb	..	: .14
Seed, bags.....lb	.11	: .12	Elecampane Root, bags.....lb	.09	: .10	White, bags.....lb	.12	: .14
Colombo Root, whole bags.....lb	.03	: .04	Elder Flowers, bales.....lb	.20	: .22	Powdered, 250lb bbls.....lb	.16	: .17
Colocynth, apples, cases, bbls.....lb	.19	: .25	Elemi Gum, 80lb cases.....lb	.10	: .12	Helonias Root, (unicorn false) bags.....lb	.60	: .63
Pulp, USP bales.....lb	.40	: .45	Elm, select, 5lb bundles cases.....lb	.25	: .28	Hemp Seed, Manchurian bags.....lb	.03½	: .04½
Coltsfoot Leaves, bags.....lb	.06	: .07	Grinding, bags.....lb	.10	: .12	Chilian, bags.....lb	..	..
Comfrey Root, bags.....lb	.13	: .14	Powdered, bbls.....lb	.14	: .15	Henbane Leaves, bales.....lb	.40	: .42
Condurango Bark, bales.....lb	.07½	: .08	ERGOT, 150-200lb bags.....lb	.60	: .65	Henna Leaves, bales.....lb	.21	: .23
Conium Seeds, bags.....lb	..	: .16	Eucalyptus Leaves, bales.....lb	..	: .05	Powdered.....lb	.23	: .24
Copaiba Balsam Para 80lb cases.....lb	.24	: .25	Euphorbia Pilulifera Herb, bags.....lb	.17	: .20	Honey, Calif. 120lb cases.....lb	.11	: .13
S. Amer. 80lb cases.....lb	.29	: .30	Euphorbium Gum, cases.....lb	..	: .35	Hops, N. Y. prime bales.....lb	.22	: .23
Copal Gum.....lb	.12	: .15	Powdered, boxes.....lb	..	: .40	Pacific Coast prime bales.....lb	.18	: .20
Coriander Seed, Bombay bags.....lb	..	..	Fennel Seed, French bags.....lb	.17	: .18	Horsehound Herb, bales.....lb	..	: .11
Morocco, bags.....lb	.12½	: .13	German, bags.....lb	..	..	Horsehall Rush, bags.....lb	..	: .15
Bleached, bags.....lb	.15	: .15½	Flax Seed, whole 180lb bbls.....ca	12.00	: 12.25	INDIA GUM, see Karaya		
Corn Silk, bales.....lb	.05	: .05½	Ground, 180lb bbls.....lb	.06½	: .07	Insect Flowers, open whole bales.....lb	..	..
Cotton Root Bark, bales.....lb	.13	: .14	Foenugreek Seed, 200lb bags.....lb	.07	: .07½	Closed whole, bales.....lb	..	..
Cramp Bark, so-called bales.....lb	..	: .08	Fir Balsam, Canada cans.....gal	10.75	: 11.00	Powdered, pure 200lb bbls.....lb	.70	: .75
True, bags.....lb	..	: .40	Oregon, bbls. cans.....gal	1.50	: 1.75	Flowers and stems, 50 p. e. 200lb bbls.....lb	.40	: .42
Cranebill Root, bags.....lb	.10	: .11	Fish Berries, 100-125lb bags.....lb	.03½	: .04	Ipecac Root Cartagena bags.....lb	..	: 1.50
CUBE BERRIES, XX bags.....lb	.82½	: .83	Fringe Tree Bark, bags.....lb	.17	: .18	Powdered, 200lb bbls. boxes.....lb	1.70	: 1.75
Powdered, boxes.....lb	.85	: .87½	GALANGAL ROOT, bags.....lb	.06	: .07	Rio Whole, bags.....lb	..	: 1.50
Cumin Seed, Levant bags.....lb	..	..	Gambler Gum, bags.....lb	.10	: .10½	Powdered, 200lb bbls. boxes.....lb	1.70	: 1.75
Morocco, bags.....lb	.35	: .37	Galbanum Gum, cans.....lb	1.20	: 1.55	Istinglass, American, 130lb cs.....lb	.65	: .70
Culvers Root, bags.....lb	..	: .75	Gamboge Gum, 160lb cases.....lb	1.15	: 1.20	Russian, (Beluga) box etc.....lb	..	: 10.00
Cuttlefish Bone, Trieste, straps.....lb	.19	: .20	Gelsemium Root, bags.....lb	.11	: .12	JABORANDI LEAVES, bales.....lb	.25	: .26
Jewelry, large, straps.....lb	.45	: .55	Gentian Root, bags.....lb	.08	: .08½	Jalap Root, whole 150lb bags.....lb	.34	: .35
Small, straps.....lb	.35	: .45	Ginger, African, bags.....lb	.10½	: .11	Powdered, USP 250lb bbls.....lb	.40	: .42
French, straps.....lb	.19	: .20	Jamaica, grinding, bags bbls.....lb	.33	: .41	Japan Wax, 224lb cases.....lb	.14½	: .15
Powdered, boxes.....lb	..	: .14	Japan, bags.....lb	.12½	: .13	Job's Tears, white bags.....lb	.08	: .09
Broken, boxes.....lb	.07	: .08	Cochin, ABC & lemon, bags.....lb	.12½	: .13	Juniper Berries, 125lb bags.....lb	.03	: .03½
Damar Gum, 130lb cases.....lb	.32	: .34	Ginseng Root, cultivated, bags.....lb	7.50	: 10.00	KAMALA, boxes.....lb	2.75	: 3.00
Damiana Leaves, bales.....lb	.11	: .13	Northwestern Wild, bags.....lb	12.00	: 15.00	Karaya Gum, powdered bbls.....lb	.15	: .20
Dandelion Root, Imp., bags.....lb	.09½	: .10	Southern Wild, bags.....lb	9.00	: 11.00	Kava Kava Root, bags.....lb	.17	: .18
Deer Tongue Leaves, bales.....lb	.07½	: .08	Golden Seal Root, bags.....lb	3.20	: 3.25	Kino Gum, black cases.....lb	.50	: .55
Digitalis Leaves, bales.....lb	.06½	: .08	Powdered, boxes.....lb	3.55	: 3.65	Kola Nuts, 150lb bags.....lb	.05	: .06
Dill Seed, bags.....lb	.10	: .10½	Grains of Paradise, bags.....lb	.12	: .14	Koussou Flowers, bags.....lb	2.25	: 2.50



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LADY SLIPPER ROOT, bags.....lb	.60	: .62	Musk, pods Cabardine tins.....ca	16.00	: 17.00	Patchouli Leaves, bales.....lb	.22	: .25
Larkspur Seed, bags.....lb	.39	: .41	Tonguin.....ca	22.00	: 25.00	Pepper, black Sing, bags.....lb	.09%	: .10
Laurel Leaves, bales.....lb	.04%	: .05	Grain Cab.....ca	25.00	: 26.00	White, bags.....lb	.13	: .13%
Lavender Flowers, Ordinary.....lb	.25	: .32	Tonguin.....ca	35.00	: 38.00	Peppers, red Mombasa bags.....lb	.30	: .31
Selected.....lb	.35	: .37	Synthetic, see Chemicals.....			Cherries, bags.....lb	.16%	: .17
Leeches, tubs.....Per 100	7.00	: 7.50	Musk Root, Russian bags.....lb	...	...	Bombay, bags.....lb	.15	: .15%
Lemon Peel, bags.....lb	.09	: .10	Mustard Seed, Bari brown bags.....lb	.07%	: .08	Japan, bags.....lb	.35	: .36
Licorice Root, Russian whole.....lb	.08%	: .08%	Bombay, brown.....lb	.06%	: .07	Pennyroyal Herb, bales.....lb	.08	: .14
Spanish, natural bales.....lb	.09	: .10	California, brown.....lb	.07%	: .08	Peppermint Leaves, imp. bales.....lb	...	: .35
Powdered, bbls.....lb	.09	: .10	Yellow.....lb	...	...	Peru Balsam, 120 lb kegs.....lb	2.10	: 2.20
Selected, 2 & 5 lb bundles.....lb	.17%	: .22	Chinese, yellow.....lb	.04	: .04%	Pichi Leaves, bags.....lb	.20	: .23
Cuttings, 125 lb bags.....lb	.07%	: .08	English, yellow.....lb	.08	: .09	Pimento, select bags.....lb	.04%	: .04%
Life Everlasting Herbs, bales.....lb	.05	: .06	Dutch, yellow.....lb	.08	: .08%	Pink Root, true bags.....lb	...	: 1.25
Lime Juice, clarified bbls.....gal	.50	: .60	Danish, yellow.....lb	.07%	: .09	Pitch, Burgundy, see Burgundy Pitch.....		
Linden Flowers, with leaves, bales lb	.22	: .24	Myrrh Gum, select 200 lb ca.....lb	.50	: .55	Pleurisy Root, bags.....lb	.22	: .23
Without Leaves, bales.....lb	.48	: .60	Sorts, cases.....lb	.45	: .48	Plantain Leaves, bales.....lb	...	: .15
Liverwort Leaves, bales.....lb	.30	: .32	NUTGALLS, Chinese bags.....lb	.15	: .16	Poke Berries, bags.....lb	...	: .15
Lobelia Herb, bales.....lb	...	: .15	Aleppy, bags.....lb	.14	: .15	Poke Root, bags.....lb	.07	: .07%
Lobelia Seed, bags.....lb	.55	: .60	Nutmegs, 110s cases.....lb	.21	: .22%	Pomegranate Bark, of root bags.....lb	...	: .30
Lovage Root, Imported, bags.....lb	.18	: .20	75s 80s cases.....lb	.25	: .25%	Of Fruit, bags.....lb	...	: .30
Lupulin, boxes.....lb	...	: 1.50	Nux Vomica Buttons, bags.....lb	.07	: .07%	Poppy Flowers, red bags.....lb	.30	: .35
Domestic.....lb	1.30	: 1.40	Powdered, 200 lb bbls.....lb	.11	: .11%	Poppy Seed, Dutch bags.....lb	.15	: .16
Lycopodium, 88 lb ca.....lb	.50	: .52	OAK BARK, red bags.....lb	.05	: .06	German, bags.....lb	.11%	: .12
MACE, Siau, No. 1 cases.....lb	.41%	: .42	White, bags.....lb	.05	: .06	Turkish, bags.....lb	.06	: .08
Banda, No. 1 cases.....lb	.43	: .44	Oilbanum Gum, sift 280 lb cases.....lb	.10%	: .11	Blue Indian, bags.....lb	.08	: .08%
Batavia, cases.....lb	.33	: .36	Tears, 280 lb cases.....lb	.14%	: .15	White Indian, bags.....lb	.07	: .07%
Malva Flowers, blue bales.....lb	.30	: .35	No. 1, all white, 280 lb cases.....lb	.24	: .30	Prickly Ash Bark Southern, bags lb	.14	: .14%
Black, bales.....lb	.95	: 1.00	Opium, gum USP cases.....lb	...	: 6.75	Northern, bags.....lb	.14	: .14%
Manna, large flake cases.....lb	.58	: .60	Granular, cans.....lb	...	: 7.75	Prickly Ash Berries, bags.....lb	.11	: .13
Small flake, cases.....lb	.35	: .36	Powdered, USP cans.....lb	...	: 7.75	Prince's Pine, bales.....lb	.14	: .15
Sorts, cases.....lb	.33	: .35	Orange Flowers, cases.....lb	...	: 1.00	Pulsatilla Herb, bags.....lb	.37	: .40
Mandrake Root, bags.....lb	.17	: .18	Orange Peel, bitter bags.....lb	.06	: .06%	Pumpkin Seed, bags.....lb	.09	: .12
Mastic Gum, 120 lb cases.....lb	.45	: .48	Sweet, bags.....lb	.06%	: .07	QUASSIA CHIPS, bags.....lb	.07%	: .08
Mesereon Bark, bags.....lb	.11	: .12	Orris Root Florentine bold bags.....lb	.07	: .08	Queen of the Meadow Herb, bags lb	.06	: .06%
Matico Leaves, bales.....lb	.18	: .20	Verona, bags.....lb	.05	: .06	Quince Seed, bags.....lb	1.60	: 1.65
Marjoram Leaves, German bales.....lb	.32%	: .35%	Powdered, 200 lb bbls.....lb	.08	: .10	RAPE SEED, South Amer. bags.....lb	.08%	: .07%
French, bales.....lb	.14	: .15	Fingers, cases.....lb	.70	: .75	Dutch, bags.....lb	.08%	: .08%
Millet Seed, dom. yellow bags.....lb	.03%	: .05	Ozokerite Wax, brown hard bags.....lb	.22	: .24	Japanese, small, bags.....lb	.06%	: .07%
Montan, Wax, crude bags.....lb	.04%	: .05	Green, hard bags.....lb	.25	: .26	Raspberries, dried boxes.....lb	.35	: .40
Bleached.....lb	...	...	Refined, yellow bags.....lb	...	...	Red Saunders.....lb	.17	: .19
Moss, Iceland bales.....lb	.08	: .09	PAPRIKA, bags.....lb	.16	: .24	Rhatany Root, bags.....lb	.10	: .11
Irish, bleached bales.....lb	.07	: .09	Hungarian.....lb	.27	: .28	RHUBARB, H. D. cases.....lb	.45	: .46
Mullein Flowers, tins.....lb	.55	: .60	Pareira Brava Root, bags.....lb	.19	: .20	Powdered, 200 lb bbls.....lb	.50	: .52
			Parsley Seed, bags.....lb	.08%	: .09	Rosemary Leaves, bales.....lb	.04	: .05



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Rose Petals, pale22	: .25	Stripped, bags48	: .50	No. 2 to No. 6, cases	1.00	: 1.50
Red	: .60	SOAP BARK, whole, 150-200 lb bales06½	: .07	Powdered, 50 lb boxes.....D	1.00	: 1.50
Roe Herb, bales.....D	.30	: .35	Cut, 125-175 lb bags.....D	.07½	: .08	Turkish, cases .....	.75	: .90
SABADILLA SEED, bags.....D	.10	: .12	Crushed, 200 lb bbls.....D	.08½	: .09	Turmeric Root, Madras bags.....D	.07	: .07½
Powder, bbls.....D	.13	: .14	Powdered, 200 lb bbls.....D	.13	: .14	Aleppy, bags .....	.06½	: .06½
Saffron Flowers, Amer. bales.....D	1.40	: 1.45	Spearmint Leaves, American bales..D	.23	: .24	China, bags .....	.05½	: .06
Valencia 1 lb cans.....D	34.00	: 35.00	Spermaceti, blocks cakes cases...D	.36	: .37	Turpentine, Venice, true 80 lb cs..D	.22	: .25
Sage, Dalmatian bales.....D	.05½	: .06½	Spikenard Root, bags.....D	.15	: .16	Artificial, 80 lb cases.....D	.11	: .12
Greek, bales .....	.03½	: .04	Spruce Gum, boxes.....D	1.00	: 1.50	Spirits, see Naval Stores		
Spanish, bales .....	.03	: .04	Squaw Vine, bales.....D	.16	: .17	UNICORN ROOT, false, see Helonias		
Sandalwood, chips bags.....D	...	: .35	Squill Root, white bags.....D	.04	: .04½	True, see Aletris		
Ground, bags .....	...	: .40	Stavesacre Seed, bags.....D	.28	: .29	Uva Ursi Leaves, bales.....D	.05½	: .06
Sandarac Gum, 300 lb bbls.....D	.23	: .25	Stillingia Root, bags.....D	.09	: .09½	VALERIAN ROOT, Belgian bags..D	.12	: .14
Sarsaparilla, Honduras bales.....D	.49	: .50	Stone Root, bags.....D	.09	: .10	Vanilla Beans Mex. whole cases..D	8.00	: 10.00
Mexican, bales .....	.22	: .23	Storax, Liquid artif. ....D	.70	: .75	Cuts, cases	7.00	: 7.25
Sassafras Bark, ordinary bales..D	.10	: .14	Gen. USP .....	.90	: 1.00	Bourbon, cases	2.75	: 3.25
Select, bales .....	.20	: .22	St. Ignatius Beans, bags.....D	.22	: .23	South American, cases.....D	7.00	: 7.25
Savory Leaves, bales.....D	.09½	: .10	St. John's Bread, bags.....D	.04	: .06	Tahiti, yellow label cases.....D	1.80	: 2.00
Saw Palmetto Berries, bags.....D	.13	: .15	Stramonium Leaves, bales.....D	.06½	: .07	Green Label cases.....D	1.80	: 2.00
Scammony Resin, boxes.....D	1.00	: 1.10	Stramonium Seed, bags.....D	.12	: .13	Violet Flowers, bags.....D	.65	: .70
Scammony Root, bags.....D	.06	: .07	Strophanthus Seed, Hispidus...D	...	: ...	WANOO BARK, of root bags.....D	1.10	: 1.15
Senega Root, bags.....D	.75	: .80	Kombe, bags .....	.30	: .35	Of Tree, bags .....	.30	: .32
SENNA, Alex, 150 lb cases.....D	.30	: .32	Sunflower Seed, domestic bags...D	.07	: .07½	White Pine Bark, rosed, bags...D	.06	: .07
Half Leaf, 350 lb bales.....D	.14	: .17	South American, bags.....D	.07	: .07½	White Poplar Bark, bags.....D	.04	: .05
Siftings, 400 lb bales.....D	.09	: .09½	TAGALDER BARK, bags.....D	.05	: .05½	Wild Cherry Bark, thin green		
Powdered, 200 lb bbls.....D	.12	: .13	Tamarinds, bbls. ....D	.04½	: .04½	Rosed, bales .....	.10	: .12
Tinnevely, Job, 350 lb bales..D	.10	: .14	Keps	3.25	: 3.50	Thick Rosed, bales.....D	.07	: .07½
Grinding, 350 lb bales.....D	.05	: .08	Tansy Herb, bales .....	.14	: .15	Thin Natural, bales.....D	.08	: .08½
Pods, 350 lb bales.....D	.06½	: .07½	Tar, Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75	Thick Natural, bales.....D	.04½	: .05
Powdered, 200 lb bbls.....D	.08	: .09	Thus Gum, 280 lb bbls.....D	.04½	: .06	Willow, bark bags.....D	...	: .06
Serpentaria Root, bags.....D	.85	: .90	Thyme, Spanish bales.....D	...	: .08	White, bags .....	...	: .15
Shellac, T.N., bags.....D	.77	: .78	French, bales .....	.11	: .12	Witch Hazel Bark, bags.....D	...	: .06
Superfine Orange, bags.....D	.82	: .84	Tillia .See Linden			Witch Hazel Leaves, bales.....D	...	: .07½
D. C., bags .....	...	: 1.00	Tolu Balsam, 90 lb cases.....D	.75	: .80	Worm Seed, American bags.....D	.08½	: .09
V. S. O., cases .....	...	: 1.00	Tonga Bark, bags.....D	.30	: .31	Levant bags	3.25	: 3.50
Pwd. reg., 350 lb bbls.....D	.85	: .90	Tonka Beans, Angostura cases...D	2.15	: 2.25	Wormwood Herb, imported bales..D	...	: .09
Regular Bleached, 350 lb bbls..D	.78	: .80	Para, cases .....	.80	: .85	Yacca Gum, red.....D	.04	: .04½
Bone Dry, 350 lb bbls.....D	.90	: .92	Surinam, cases .....	.85	: .95	Ground .....	.05½	: .06½
Simaruba Bark, bales.....D	.11	: .12				YELLOW DOCK ROOT, bags.....D	.13	: .15
Sideritis Herb, cut bags.....D	...	: .22				Yellow Parilla Root, bags.....D	.16	: .17
Skullcap Leaves, bales.....D	...	: .35				Yerba Santa, bags.....D	.10	: .11
Stoe Berries, bags.....D	.63	: .64				Zedoary Root, bags.....D	.10	: .11

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Bitter ff PA 5 lb. bots.....	3.75	: 4.00	Coriander, USP 1 lb. bot.....	22.00	: 23.00	French, 1 lb. bot.....	7.50	: 8.00
Artificial. (See Benzaldehyde—Chemicals)			Croton, USP 25 lb. tins.....	1.00	: 1.10	Pimento, 25 lb. tins.....	1.75	: 1.90
Sweet, 56 lb. cans.....	.40	: .45	Cubeb, USP 5 lb. bot.....	5.75	: 6.00	Pinus Sylvestris, 25 lb. tins....	...	: 1.75
Peach Kernel, 55 lb. tins.....	.25	: .27	Cumin, 1 lb. bot.....	12.50	: 15.00	Pumilio, USP 25 lb. tins.....	...	: 2.75
Apricot, see Peach Kernel			Dill, 1 lb. bot.....	4.75	: 5.00	Rose, Fr., 8, 16 & 32 oz pkgs.oz	...	: 9.00
Amber, crude 25 lb. tins.....	.75	: .80	Erigeron, 20 lb. tins.....	1.00	: 1.10	Bulg., 8, 16 & 32 oz pkgs.oz	5.50	: 6.00
Rectified, 25 lb. tins.....	1.00	: 1.10	EUCALYPTUS, Austl. USP			Artificial, 1 lb. bot.....	2.00	: 3.00
Angelica Root, 1 lb. bot.....	38.00	: 39.00	56 lb. cs. ....	.42	: .45	Rosemary, USP, 27 1/4 lb. tins....	.45	: .48
Seed, 1 lb. bot.....	38.00	: 38.00	500 lb. drums .....	...	: .40	1000 lb. drums .....	...	: 42 1/2
ANISE, Tech., 66 lb. case.....	.50	: .55	Fennel USP, 25 lb. tins.....	1.20	: 1.30	Tech., 27 1/4 lb. tins.....	.40	: .45
USP 50 lb. tins.....	.55	: .60	Geranium, Algerian 25 lb. tins..	8.50	: 9.50	Rue, 1 lb. bot.....	4.25	: 4.50
Bay, 25 lb. tins.....	2.50	: 2.60	Bourbon, 25 lb. tins.....	7.00	: 7.50	Sandalwood, E Ind. USP, 40 lb. cases lb	7.00	: 7.25
Bergamot, USP, 25 lb. coppers....	3.00	: 3.10	Turkish, 28 lb. tins.....	4.50	: 5.00	W. Indian, (Amyris) 25 lb. tins..	3.75	: 3.90
Artificial, 25 lb. cans.....	2.25	: 2.50	Ginger, 1 lb. bot.....	5.25	: 5.50	Sassafras, USP 50 lb. cans.....	.90	: 1.00
Birch Tar, rect. 5 lb. bot.....	...	: 1.50	Gingergrass, 28 lb. tins.....	2.75	: 3.00	Artificial, 63 lb. cans, 1000 lb. drs. lb	.42	: .45
Crude, 50 lb. tins.....	...	: 1.00	Hemlock, 50 lb. cans.....	...	: ...	Savin, 5 lb. tins.....	3.25	: 3.50
Bos de Rose, 25 lb. tins.....	2.30	: 2.50	Juniper Berries, USP 25 lb. tins..	1.10	: 1.25	Spearmint, USP 60 lb. cases.....	2.30	: 2.40
Cade, USP, 25 lb. tins.....	.45	: .50	Wood, 50 lb. tins.....	.50	: .60	Spruce, 50 lb. tins.....	...	: ...
USP, 5 lb. bot.....	.55	: .60	Lavender, USP, 28 lb. tins.....	2.75	: 3.50	Tansy Amer., 20 lb. tins.....	7.50	: 8.00
Calaput, native 50 lb. tins.....	.75	: .80	Spike, Spanish 50 lb. cans.....	.70	: .80	Tar, 50 gal. bbls.....	.24 1/4	: .26
Calamus, 5 lb. bot.....	4.25	: 4.75	LEMON, Ital. USP, 25 lb. tins..	.65	: .80	Refined, USP 25 lb. tins.....	...	: ...
Campbort, heavy, 1000 lb. drums..	11 1/2	: 12	American, USP, 25 lb. tins..	.75	: .85	Thyme, red, USP 25 lb. tins.....	.90	: 1.00
Japanese, white, 72 lb. cases....	.15	: .17	Lemongrass, native, 50 lb. cans...	.75	: .85	White, USP 25 lb. tins.....	1.10	: 1.15
Chinese, white 1000 lb. drums.....	.15	: .17	Limes, express 25 lb. tins.....	1.65	: 1.75	Crude, 110 lb. drums.....	.85	: .90
Cananga, Native 25 lb. tins.....	2.25	: 2.50	Distilled 25 lb. tins.....	.50	: .55	Vetivert, Bourbon 1 lb. bot.....	5.50	: 6.00
Rectified, 25 lb. tins.....	2.50	: 2.75	Linaloe, Mex. 30 lb. cases.....	2.15	: 2.35	Java, 1 lb. bot.....	24.00	: 27.00
Caraway, USP rec. 25 lb. tins....	6.25	: 6.50	Mace, distilled 50 lb. tins.....	.95	: 1.05	Wine, heavy 1 lb. bot.....	...	: 2.75
Crude, 50 lb. tins.....	...	: ...	Mirbane, ref. see Ar. Chemicals	...	: ...	WINTERGREEN		
Cardamon, USP 1 lb. bot.....	13.00	: 14.00	Mustard, USP, 1 lb. bot.....	...	: 17.00	Sweet bch, 25 lb. tins.....	2.00	: 3.00
Carvel, 5 lb. bot.....	8.50	: 9.00	Artif., USP, 5 lb. bot.....	...	: 3.00	Gaultheria, true 25 lb. tins....	4.00	: 7.00
CASSIA, 75-80 p.e. 60 lb. cases..	...	: ...	Neroli, Bigarade, 1/2 and 1 lb. bot..	75.00	: 100.00	Synthetic, USP 50 lb. cases.....	...	: .57
Redistilled, USP 50 lb. cans.....	2.15	: 2.25	Petale, 1 lb. bot.....	90.00	: 115.00	Wormseed, Balt., USP, 25 lb. tins..	3.90	: 4.25
Cedar Leaf, 50 lb. tins.....	.85	: 1.00	Artificial, 1 lb. bot.....	10.00	: 25.00	Wormwood, dom., 25 lb. tins.....	8.00	: 8.50
Cedar Wood, light 1000 lb. drums..	.25	: .28	Nutmeg, USP, 25 lb. tins.....	.85	: .90	Ylang Ylang, Bourbon 10 lb. tins..	6.50	: 7.00
Celery, 1 lb. bot.....	9.00	: 10.00	Orange, bitter 25 lb. tins.....	1.90	: 2.00	Manila, 1 lb. bot.....	30.00	: 35.00
Cinnamon, Ceylon 1 lb. bot.....	12.00	: 15.00	Sweet, W. Ind., 25 lb. tins.....	2.20	: 2.35	Artificial, 1 lb. bot.....	10.00	: 12.00
Leaf, 5 lb. bot.....	...	: 2.00	Italian, 25 lb. cop.....	2.30	: 2.50			
CITRONELLA, Ceylon, 1000 lb. drs. lb	.57	: .59	American, 25 lb. tins.....	2.70	: 2.80	OLEORESINS		
50 lb. tins.....	.59	: .61	Origanum, 50 lb. cans.....	.25	: .30	Aspidium, USP 1 lb. bot.....	2.75	: 3.00
Java, 400 lb. drums.....	.80	: .85	Parsley, 1 lb. bot.....	5.00	: 5.50	Capicum, USP, 5 lb. bot.....	2.25	: 2.50
50 lb. tins.....	.85	: .90	Patchouli, 5 lb. bot.....	8.00	: 8.50	Cubeb, USP 1 lb. bot.....	5.20	: 5.30
Cloves, USP, 50 lb. cans.....	2.00	: 2.10	Pennyroyal, dom 25 lb. tins.....	1.95	: 2.25	Ginger, 5 lb. bot.....	2.50	: 2.65
6 lb. bot.....	2.10	: 2.20	Imported, 25 lb. tins.....	1.65	: 1.75	Malefern, See Aspidium		
			PEPPERMINT, nat. 60 lb. cases..	3.00	: 3.10	Mullein (so-called) 1 lb. bot....	...	: 1.50
			Redist., USP, 60 lb. cases.....	3.25	: 3.35	Orris, 1 lb. bot.....	...	: 18.00
						Pepper, black, USP, 1 lb. bot....	3.50	: 4.00
						Vanilla, 1 lb. bot.....	9.00	: 9.50

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Anethol, 2 lb bot.....	1.60	: 2.00
Borneol, 1 lb bot.....	...	: 3.50
Citronellal, 1 lb bot.....	2.00	: 2.25
CITRAL, 25 lb cans.....	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	.80	: .85
Eugenol, USP, 25 lb cans.....	3.50	: 3.75
Geraniol, Domestic, 50 lb cans.....	2.75	: 3.25
Imported, 5 lb bot.....	3.25	: 3.75
Iso-Eugenol, 1 lb bot.....	4.25	: 4.50
Linalool, 5 lb bot.....	4.50	: 4.75
MENTHOL, 60 lb cases.....	...	: 10.00
Less cases, 5 lb cans.....	10.50	: 11.00
Rhodinol, 1 lb bot.....	15.00	: 16.00
SAFROL, 60 lb cans.....	.55	: .60
Thymol, USP, 10 lb cans.....	4.00	: 4.25

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot. lb	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	4.00	: 4.25
Amyl Acetate, pure, 5 gal cans, gal	5.00	: 6.00
Amyl Butyrate, 1 lb bot.....	2.00	: 2.10
Amyl Formate, 1 lb bot.....	1.75	: 2.00
AMYL SALICYLATE, 100 lb chys. lb	1.45	: 1.60
Anisic Aldehyde, 1 lb bot.....	4.00	: 4.50
BENZALDEHYDE, USP, 40 lb chys. lb	1.40	: 1.50
FFC, 40 lb chys.....	1.70	: 1.80
Benzic Ether, See Ethyl Benzoate		
Benzyl Alcohol, 100 lb chys.....	1.50	: 1.65
Benzyl Alcohol, 5 lb bot.....	1.25	: 1.50
BENZYL BENZOATE, 5 lb bot.....	1.85	: 2.00
Medicinal FFC.....	2.10	: 2.20
Benzyl Formate, 1 lb bot.....	2.50	: 3.00
Bromstyrol, 25 lb kegs.....	4.00	: 4.25

Butyric Ether, See Ethyl Butyrate

Cinnamic Acid, 5 lb cans.....	2.75	: 3.00
Cinnamic Alcohol, liquid 1 lb bot. lb	15.00	: 16.00
Crystallizable.....	20.00	: 21.00
Cinnamic Aldehyde, 1 lb bot.....	3.75	: 4.00
CITRONELLOL, 1 lb bot.....	8.00	: 12.00
COUMARIN, 25 lb cans.....	4.00	: 4.25
DIETHYL PHTHALATE, 25 lb cans.....	.85	: .90
Diphenyl oxide, 25 lb tins.....	.85	: .90
Ethyl Acetate, pure, 5 lb bot.....	.45	: .50
Ethyl Benzoate, 5 lb bot.....	1.85	: 2.09
Ethyl Butyrate, 5 lb bot.....	2.00	: 2.25
Ethyl Cinnamate, 1 lb bot.....	5.50	: 5.75
Ethyl Formate, 5 lb bot.....	.95	: 1.00
Ethyl Valerate, 5 lb bot.....	4.50	: 4.75
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb bot.....	5.00	: 5.25
Hellotropin, 10 lb bot.....	2.50	: 2.75
Indol, CP, 1 oz. bot.....	8.50	: 9.00
Ionone, 1 lb bot.....	5.50	: 8.00
Linalyl Acetate, 1 lb bot.....	6.00	: 8.75
Linalyl Benzoate, 1 lb bot.....	13.00	: 14.00
METHYL ANTHRANILATE, 1 lb bot. lb	4.00	: 4.50
Methyl Cinnamate, 1 lb bot.....	4.50	: 5.00
Methyl Paracresol, 1 lb bot.....	8.00	: 9.00
METHYL SALICYLATE, USP 500 lb		
drums.....	...	: .55
50 lb cases.....	...	: .57
Second Hands.....	.52	: .55
Mirbane, rect. 1000 lb drums.....	12 1/2	: 14
Musk Ambrette, 1 lb cans.....	15.00	: 16.00
Musk Ketone, 1 lb cans.....	14.00	: 14.50
Musk Xylene, 5 lb cans.....	3.25	: 3.50
Nerolin, 1 lb cans.....	1.75	: 2.00
Phenylacetaldehyde, CP, 1 lb bot.....	9.00	: 11.00
50 p.c.....	4.00	: 6.00
Phenylacetic Acid, 1 lb bot.....	3.00	: 4.00
PHENYLETHYLALCOHOL dom.,		
1 lb bot.....	7.00	: 9.00
Imported.....	...	: 12.50
Phenylpropylalcohol, 1 lb bot.....	15.00	: 16.00

TERPINEOL, CP, 1000 lb drums. lb	.50	: .60
Cans 50 lb.....	.55	: .60
Imported, 25 lb cans.....	.70	: .75
Terpinyl Acetate, 25 lb cans.....	1.75	: 2.00
VANILLIN, USP, 400 oz cans. oz	.43	: .45
Cans, 16 oz., 80 oz.....	.45	: .46
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans.....	2.00	: 2.50

PERFUMERS' SUNDRIES

Almond Meal, 25 lb cans.....	.25	: .27
Ambergris, black, bxs.....	...	: 8.00
Ambergris, gray, bxs.....	...	: 28.00
Balsam Copaiba, Para, 80 lb cases.....	.24	: .25
South American, 80 lb cases.....	.29	: .30
Balsam Peru, 60 lb cans.....	2.00	: 2.10
Balsam Tolu, 90 lb cases.....	.75	: .80
Benzoin Gum, Siam, bxs.....	1.40	: 1.60
Castoreum, 1 lb bot.....	4.00	: 4.50
Chalk, precip. light, 175 lb bbls. lb	.04 1/2	: .05
Cherry Laurel Water, 5 gal cans. gal	1.15	: 1.25
Civet Abyssin horns.....	2.65	: 2.80
Labdanum, 5 lb bot.....	...	: 8.00
Lanolin hydrous, 350 lb bbls.....	.18	: .20
Anhydrous, 350 lb bbls.....	.22	: .24
Musk pods, Cabardine, tins.....	16.00	: 17.00
Tonquin, tins.....	22.00	: 25.00
Grains, Cabardine, tins.....	25.00	: 26.00
Tonquin, tins.....	35.00	: 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt Flor, powd bbls.....	.09	: .10
Verona, bbls.....	.09	: .10
Rice Starch, 140 lb bgs.....	.09	: .10
Rose Water, 5 gal chys.....	1.15	: 1.25
Sandalwood chips, powd, bags.....	.35	: .40
Saponin, 5 lb tins.....	1.50	: 1.75
Talc Italian, 220 lb bgs.....	30.00	: 40.00
Talc French, 220 lb bags.....	20.00	: 30.00
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NAPHTHALINE—250 bgs., Order, Middlesbrough; 720 bgs., Lunham & Moore, Rotterdam

NICKEL ALUM SULFATE—7 csks., Blackburn Trdg. Corp., Hamburg

NUX VOMICA—160 bgs., Amer. Exch. Nat. Bank, Cochiti

OILS—**Coconut**, a quantity in bulk, Order, Manila; 816 tons, Order, Manila; **Cod**, 200 bbls., Cook & Swan Co., Kobe; 300 csks., Swan & Finch Co., St. Johns; 100 csks., Nat. Oil Products Co., St. Johns; 10 csks., R. Badcock & Co., St. Johns; **Codliver**, 25 bbls., Lanman & Kemp, Christiania; 2 cs., Alps Drug Co., Genoa; **Colza**, 10 csks., Order, Havre; **Fusel**, 4 bbls., Order, Leghorn; **Mineral**, 3 cs., Sharples Spec. Co., Antwerp; **Olive**, 92 cs., Gen'l Transport Co., Naples; 120 cs., Order, Leghorn; 100 cs., East River Nat. Bank, Genoa; 301 cs., Oceano Shpg. Co., Genoa; 100 cs., Meyer & Lange, Genoa; 1,515 cs., Order, Genoa; 225 cs., Order, Genoa; 108 cs., Austin Nichols & Co., Naples; 150 cs., Rothschild & Hauser, Naples; 39 cs., 4 bbls., Gen'l Transport Co., Naples; 20 pkgs., Hudson Fwdg. & Shpg. Co., Naples; 174 cs., Order, Naples; 450 cs., 50 bbls., Order, Leghorn; 73 bbls., N. U. Sitaras, Constantinople; 100 bbls., Brown Bros. & Co., Messina; 166 cs., A. Santos Viana, Lisbon; 324 cs., W. Schall & Co., Lisbon; 886 cs., J. Garneau & Co., Lisbon; 375 cs., G. W. Sheldon & Co., Genoa; 200 cs., Latoracca Bros., Genoa; 100 cs., Amer. Exp. Co., Genoa; 150 cs., M. Ajello & Co., Genoa; 100 cs., V. Taggino, Genoa; 2,140 cs., Order, Genoa; 200 cs., Order, Genoa; 12 cs., 8 pkgs., Gen'l Transport Co., Naples; 500 cs., Musa Bros., Genoa; **Palm**, 103 csks., Order, Liverpool; 160 csks., African & Eastern Trdg. Corp., Hamburg; 90 csks., Order, Liverpool; 461 drs., 42 csks., Niger Co., Liverpool; **Seed**, 75 csks., Will Baumer & Co., Havre; **Sulfur Olive**, 200 bbls., Order, Milazzo; **Wood**, 300 bbls., Mitsubishi Shoji Kaisha, Hankow; 200 bbls., Mitsui & Co., Hankow; 300 bbls., Suzuki & Co., Hankow

OILS, ESSENTIAL—82 cs., Brown Bros. & Co., Messina; 70 cs., G. Lueders & Co., Messina; 159 cs., Order, Messina; 204 cs., Order, Catania; 140 cs., A. Chirio Co., Messina; 17 cs., Brown Bros. & Co., Messina; 50 cs., East River Nat. Bank, Messina; 25 cs., Heidebach Ickelheimer & Co., Messina; **Aniseed**, 50 cs., H. W. Peabody & Co., Hongkong; **Bay**, 11 cs., R. Moellhausen, St. Lucia; **Bergamot**, 20 cs., East

River Nat. Bank, Messina; **Birch Tar**, 10 bbls., Order, London; **Camphor**, Brown, 100 drs., Antoine Chiris Co., Kobe; 100 drs., Dodge & Olcott Co., Osaka; **Cassia**, 50 cs., Dodge & Olcott Co., Hongkong; 20 cs., Dodge & Olcott Co., Hongkong; **Copaiba**, 44 cs., London & Brazil Bank, Rio de Janeiro; **Geranium**, 5 cs., Order, Algiers; **Lemon**, 200 cs., Order, Messina; **Lemongrass**, 6 drs., A. Rosenthal, Cristobal; 10 drs., Amer. Exch. Nat. Bank, Cochiti; 7 drs., Order, Cochiti; **Lime**, 10 cs., Huth Gillespie & Co., Dominica; 6 cs., Order, Dominica; 1 cse., R. Desvernine, Martinique; **Linaloe**, 15 cs., Order, Vera Cruz; **Orange**, 4 cs., Order, Dominica; 1 cse., Fritzsche Bros., Messina; **Sweet**, 30 cs., Order, Kingston; **Pine**, 1 drum, J. C. Robold & Co., London

OSMIUM POWDER—1 parcel, A. Stauff, Bremerhaven

PEAT MOSS—150 bls., C. J. Schelling & Co., Rotterdam; 700 bls., Atkins & Durbrow, Bremerhaven; 200 bls., Atlantic Transport Co., London

POTASSIUM SALTS—**Alum**, 205 csks., Blackburn Trdg. Corp., Hamburg; **Chlorate**, 200 bbls., A. J. Marcus, Hamburg; 1,000 bbls., 1,000 bgs., Mechanics & Metals Nat. Bank, Hamburg; **Muriate**, 3,170 bgs., A. Vogel, Hamburg; **Prussiate**, 10 kgs., Johnson & Sons, London; 2 csks., Nat. Bank of Commerce, Antwerp; 13 csks., Kidder Peabody & Co., Antwerp; 2 csks., J. Munroe & Co., Antwerp; **Sulfate**, 9 csks., Order, Hamburg

ROOT—6 bls., Order, Trieste; **Burdock**, 14 bls., Hopkins & Co., Antwerp; **Canagria**, 15 bgs., 29 bgs., Order, Vera Cruz; **Gentian**, 53 bls., Order, Genoa; 58 bls., Order, Marseilles; **Ipecac**, 28 bls., G. Amsinck & Co., Cartagena; **Licorice**, 100 bls., Order, Catania; **Orris**, 102 bgs., Brown Bros. & Co., Leghorn; 44 bgs., Order, Leghorn; **Powdered**, 3 bls., Armand Gaidan Fils & Co., Marseilles

SAFFRON—1 cse., D. Kleckner, Havre; 1 cse., G. W. Sheldon & Co., Havre

SEED—**Anise**, 200 bgs., 100 csks., Order, Malaga; 100 csks., First Nat. Bank, Alicante; **Caraway**, 248 bgs., Order, London; **Cocksfoot**, 200 bgs., Order, Copenhagen; **Colza**, 134 bgs., Order, Antwerp; **Fennel**, 16 bls., Armand Gaidan Fils & Co., Marseilles; **Flax**, 8,596 bgs., L. Dreyfus & Co., Buenos Aires; 6,487 bgs., Order, Buenos Aires; 28,209 bgs., L. Dreyfus & Co., Santa Fe; 7,417 bgs., L. Dreyfus & Co., Buenos Aires; 4,890,551 kilos, Spencer Kellogg & Sons, Rosario; **Lucerne**, 2,784 bgs., Order, London; **Mustard**, 400 bgs., R. J. French & Co., Copenhagen; **Poppy**, 219 bgs., S. Gordon, Danzig

TALC—200 bgs., Parfums de Luxe, Genoa; 750 bgs., Mathieu Co., Genoa; 1,500 bgs., Ital. Disc. & Trust Co., Genoa

TARTAR—500 csks., C. Pfizer & Co., Tarragona; 181 csks., C. Pfizer & Co., Algiers; 326 csks., Tartar Chem. Works, Algiers

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Business Brevities

E. L. Bullock, formerly of Katzenbach & Bullock, has resigned as sales manager of the Tidewater Chemical Co.

While Victor G. Bloede, Sr., of Catonsville, Md., was visiting his son, who was ill, fire destroyed the home of the elder Bloede at Eden Terrace, Catonsville. The loss is estimated at \$60,000.

Thursday, Dec. 28, was the last day on which a holder of stock could dispose of his securities for tax purposes in the 'usual way.' A large amount of cash transactions were reported on the tape.

Robert Eckles Swain will lecture on Jan. 9 at 8:15, in Havemeyer Hall, Broadway and 117th st., on "Atmospheric Pollution by Industrial Waste" under the auspices of the Charles Frederick Chandler Foundation.

The Atlantic Products Corp. has moved to new quarters in the Commercial Trust Building, Philadelphia. Dr. F. S. Havens is in charge. The company represents leading producers of dry colors, French ochres, linseed oil, China clay and alkalies.

Victor G. Bloede, son of Victor G. Bloede, Sr., president of the Victor G. Bloede Co., manufacturing chemists with an establishment at Catonsville, a suburb of Baltimore, died Dec. 23 at his home after a long illness. He was assistant secretary of the company. He is survived by his wife and one son, Victor G. Bloede, 3rd.

Customs receipts for the first half of the fiscal year (last six months of 1922) exceeded by more than \$100,000,000 the receipts for the corresponding period in 1921 and it is predicted in official circles that this lead will be not only maintained but added to during the next six months. If this proves to be the event, it would establish a remarkable high record.

The year 1922 holds the record for the largest number of commercial failures ever recorded in the United States District Court for the Southern District of New York, which comprises New York and Bronx counties and the counties adjacent to the Hudson River as far north as Albany. More than 2,710 petitions in bankruptcy were filed during the year, which exceeds the previous high record in 1921 by 355.

Charles Hardy and William F. Eissing of Charles Hardy & Ruperti, Inc., New York, sailed aboard La Savoie for Paris on Dec. 30. Mr. Eissing recently joined the staff of Charles Hardy & Ruperti to take charge of a newly created chemical division. It was erroneously stated in a recent issue that he was to take charge of the heavy chemical department. A. B. Stuek, who has been in charge of this department for several years, is still chief of the heavy chemical division.

Production, employment and trade continued to show an upward trend in November and prices registered a further advance, according to the monthly report of the Federal Reserve Board. The report continues: Contrary to the usual trend at this season of the year, production in basic industries is still increasing. Since July, 1921, when production was lower than at any time in recent years, there has been an almost uninterrupted rise, month by month. The index, in which allowance has been made for seasonable changes, shows that production in basic industries during November was 52 per cent higher than in July, 1921, and 7 per cent higher than in October, 1922.

CHEMICAL FOUNDATION WINS SUIT

A decision in favor of the Chemical Foundation, Inc., in their motion to dismiss the bill of complaint filed by Hugo Junkers in the United States District Court, Southern District of New York, has recently been handed down, by Judge A. N. Hand, of that court, according to information received through the Chemical Foundation. Judge Hand said in part:

"The provisions of the Trading With the Enemy Act clearly define the rights of the parties. The Treaty with Prussia of 1799 has no bearing upon the situation for the only clauses which might conceivably relate to the property of Germans are directed to German merchants residing in this country—a class to which the complaint avowedly does not belong.

"Section 10-g permitting the prosecution of infringement suits by enemy aliens is limited to cases where the letters patent are 'owned or controlled' by an enemy alien. The act empowered the Government to license enemy aliens and the enemy aliens while thus licensed would still hold title to their property. After seizure by the Alien Property Custodian the enemy alien no longer owned or controlled the patent and consequently did not come within Sec. 10-g of the Trading With the Enemy Act."

This decision is expected to influence the case, now pending, of the United States Government against the Foundation in which the Government seeks to have the sale of German patents and trademarks set aside.

EASTMAN KODAK ON \$6 BASIS

(Special to DRUG & CHEMICAL MARKETS)

Rochester, Jan. 3.—The Eastman Kodak Co. has declared a dividend of \$1 a share on the common stock, payable March 1 to holders of record Jan. 1. While the announcement of the \$1 dividend by the Eastman Kodak Co. did not stipulate that the \$1 distribution was an extra payment, it is the opinion of those in close touch with affairs of the corporation such was the case. The regular quarterly dividend date ordinarily is not at this time nor would it be payable on March 1. The \$1.25 quarterly payment date, in accordance with past events, would be April 1 to holders of record the latter part of February. If it may be interpreted that the disbursement just announced is an extra payment, it means \$6 a share will be paid on the stock in 1923, even though no further extras are announced during that period, and taking it for granted that the regular \$1.25 quarterly payment would be distributed.

Imports at San Francisco for the week ending Dec. 23 included the following: On the steamer President Cleveland, from Manila, to Balfour, Guthrie & Co. 2,754 sacks copra cake, to the Palmolive Co. 1 lot coconut oil; from Hongkong, to Sing Chong 50 cases peanut oil. On the steamer Robert Dollar, from Genoa, to order 2,643 cases olive oil; from Marseilles, to order 20 cases olive oil, to John Vittucci 201 cases olive oil, to B. & S. H. Thompson & Co. 7 cases cream of tartar, to Adrian J. Schvorl 20 barrels raphia. On the steamer Romulus, from Taltal, to E. I. du Pont de Nemours & Co. 10,100 bags nitrate of soda, to W. R. Grace & Co. 4,928 bags nitrate of soda. On the steamer Santa Cruz, from Antofagasta, to W. R. Grace & Co. 5,859 bags nitrate of soda; from Iquique, to W. R. Grace & Co. 3,798 bags nitrate of soda and 540 bags nitrate of potash. On the steamer Santa Marta, from Cristobal, to the Colonial Bank 75 bags pimento.

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WANTED energetic Agents for the sale of Bronze Powder Colors and Aluminum Powder Colors. Thoroughly acquainted with the business and well introduced with the customers. Address Box 275, DRUG & CHEMICAL MARKETS.

FACTORY FOR SALE: Two acres of ground, four buildings, Artesian well, located eight miles from Jersey City. Railroad siding up to property line. Price \$4,000.00. Very easy terms. Box 271, DRUG & CHEMICAL MARKETS.

TO MANUFACTURERS OF HEAVY CHEMICALS: An established firm with good clients and good references requires representations for Argentine, Brazil & Uruguay. Caustic soda, soda ash, rosin, turpentine, etc., etc. Apply to Marsden & Co., Florida 470, Buenos Aires.

FOR RENT—Fine, light office, over 400 square feet, modern office building, downtown; \$1,000 per year. Charles B. Chrystal Co., Inc., 11 Cliff St., New York City.

HELP WANTED

WANTED exceptionally well trained young chemist, with good school record, to take charge of laboratory in moderate size manufacturing plant in Buffalo, N. Y. Work is of an organic nature with control standards employing physical and colloidal chemistry. Must be energetic, serious-minded and highly systematic. Working conditions are pleasant and a good future is offered. Reply to 276, DRUG & CHEMICAL MARKETS, stating salary expected, age, height, weight, previous experience, degree, school obtained, references. All correspondence treated confidential.

WANTED—Registered drug men who are desirous of making connections with a growing chain of stores who have some exceptional opportunities. Box 265, DRUG & CHEMICAL MARKETS.

WANTED—CHEMIST OR OPERATOR EXPERIENCED IN THE MANUFACTURE OF PHOSPHORUS TRICHLORIDE AND OXYCHLORIDE. In answering please write fully your experience and state salary desired. Here is a good opportunity for right party. A. B. 283, DRUG & CHEMICAL MARKETS.

SALESMAN, for southern textile and fertilizer trade, heavy and fine chemicals, fertilizer materials. Rare opportunity for advancement. New southern firm. Box 267, DRUG & CHEMICAL MARKETS.

HELP WANTED

SALESMAN to sell a line of lacquers, enamels and celluloid colors. Give references. Address Box 284, DRUG & CHEMICAL MARKETS.

SALESMAN traveling, who knows the essential oil, baker supply, and bottling trade. Must know these lines thoroughly. Answer stating age, experience, and other particulars. Box 270, DRUG & CHEMICAL MARKETS.

SITUATIONS WANTED

ORGANIC CHEMIST, with wide experience along pharmaceutical and biological products, cosmetic preparations, fine organic chemicals, as operator and research chemist, desires a position of responsibility. Box 268, DRUG & CHEMICAL MARKETS.

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FOR SALE: 250 liters of imported Neon Gas, U. S. Custom Sealed, in steel cylinder, for \$5.00 per liter. No charge for cylinder. Contains 75% Neon, 24% Helion, 1% Foreign Gas. Box 268, DRUG & CHEMICAL MARKETS.

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FOR SALE—In quantity lots attractive prices Silver Proteinate and Protargentum, Squibb make, in 1 oz. bottles; also Paraformaldehyde billets Schieffelin make 100—1-10 gr. to the bottle. Box 262, DRUG & CHEMICAL MARKETS.

LUBRICANTS. CASTORBLEND OILS. Pure Vegetable Castor Oil blended with high grade petroleum lubricants combines their advantageous qualities. For sale by Castor Oil Products Co., P. O. Box 758, Houston, Texas.

FOR SALE: Methyl Violet Base, 1,000 lbs.—75c per lb. Spirit Nigrosene, Blue Shade, 1,400 lbs., 35c per lb., both in stock, New York. Box No. 282, DRUG & CHEMICAL MARKETS.

DRUGS AND CHEMICALS

WANTED—Iron or steel borings. Franken, Chatham, New Jersey.

SUBSCRIBER OFFERS for sale 1,000 lbs. Hexamethylene U.S.P. in kegs of 100 lbs. Submit bids. Box 261 DRUG & CHEMICAL MARKETS.

FOR SALE: American Medicinal Roots, Herbs, Barks, Seeds, Flowers, Witch Hazel leaves, Ginseng, etc. Inquiries solicited. Joseph Powell Co., Bristol, Tenn.

OFFER quantity of Zinc Yellow, approximately 5,000 pounds. Submit offer to Box 274, DRUG & CHEMICAL MARKETS.

OFFER great quantities Spike Oil, Rosemary Oil, Uva-Ursi Leaves, Aniseed and other Spanish articles. Escribano Sons Company, Murcia, Spain.

FOR SALE: Calcium Sulphite (CaSO₃) in barrels, prime, 10c lb., Calcium Borate, barrels, 10c lb. Parex Mfg. Co., 30 Church St., N. Y. C.

WANTED: odd and surplus lots of chemicals, dyes, drugs, intermediates, oils, gums, etc. Dye Drug and Chemical Co., 105 John St., N. Y. City, Beekman 7563.

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WANT, No. 1 Meade Mill or similar type. State condition and price. Box No. 278, DRUG & CHEMICAL MARKETS.

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FOR SALE: 1—12 in. Ross Disintegrator Jacketed Pebble mills, 2 Phase motors and laboratory apparatus. Box No. 279, DRUG & CHEMICAL MARKETS.

WANTED, enameled pot 100-125 gallons with or without jacket; also several iron drums with removable head. Franken, Chatham, New Jersey.

WANTED: an Emulsifier, about 25 gallon capacity. State full particulars and price, also maker's name. A. A. P. Corp., 57 New Chambers St., N. Y. City.

WANTED: Single effect Vacuum or Evaporation Pan approximately 11 ft. 6 in. dia. by 8 ft. 6 in. on straight side, with conical bottom. Send full description, also cuts or blue prints and price. Answer 2 Cyril Terrace, Akron, Ohio.

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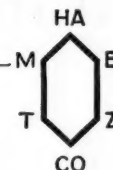
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Heller & Merz Co.	

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New Brunswick Chem. Co.	

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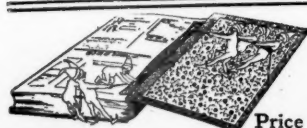
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(All Acetone removed)

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97% Methanol

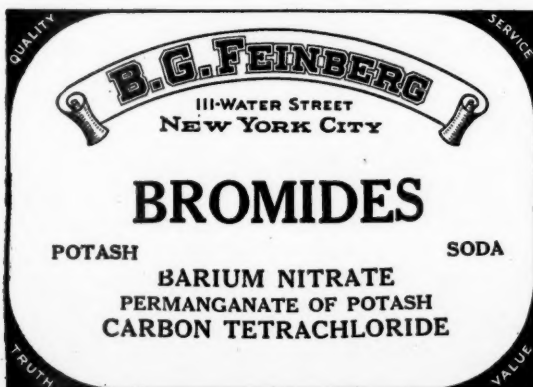
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